

TITLE V BLOCK GRANT APPLICATION
FORMS (2-21)
STATE: MO
APPLICATION YEAR: 2011

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FORM 2
MCH BUDGET DETAILS FOR FY 2011

[Secs. 504 (d) and 505(a)(3)(4)]

STATE: MO

1. FEDERAL ALLOCATION

(Item 15a of the Application Face Sheet [SF 424])
Of the Federal Allocation (1 above), the amount earmarked for:

\$ 13,236,586

A.Preventive and primary care for children:

\$ 4,001,695 (30.23%)

B.Children with special health care needs:

\$ 4,350,810 (32.87%)

(If either A or B is less than 30%, a waiver request must accompany the application)[Sec. 505(a)(3)]

C.Title V administrative costs:

\$ 1,297,186 (9.8%)

(The above figure cannot be more than 10%)[Sec. 504(d)]

2. UNOBLIGATED BALANCE (Item 15b of SF 424)

\$ 0

3. STATE MCH FUNDS (Item 15c of the SF 424)

\$ 12,036,562

4. LOCAL MCH FUNDS (Item 15d of SF 424)

\$ 0

5. OTHER FUNDS (Item 15e of SF 424)

\$ 4,000

6. PROGRAM INCOME (Item 15f of SF 424)

\$ 0

7. TOTAL STATE MATCH (Lines 3 through 6)

(Below is your State's FY 1989 Maintenance of Effort Amount)

\$ 9,987,230

\$ 12,040,562

8. FEDERAL-STATE TITLE V BLOCK GRANT PARTNERSHIP (SUBTOTAL)

(Total lines 1 through 6. Same as line 15g of SF 424)

\$ 25,277,148

9. OTHER FEDERAL FUNDS

(Funds under the control of the person responsible for the administration of the Title V program)

a. SPRANS: \$ 0

b. SSDI: \$ 93,713

c. CISS: \$ 0

d. Abstinence Education: \$ 0

e. Healthy Start: \$ 0

f. EMSC: \$ 0

g. WIC: \$ 99,699,355

h. AIDS: \$ 0

i. CDC: \$ 16,573,096

j. Education: \$ 0

k. Other: \$ 0

Early Childhood \$ 140,000

Newborn Hearing \$ 298,937

Other USDA Grants \$ 58,556,096

Primary Care Offices \$ 222,727

Rural Acces to Emer \$ 100,000

Rural Hospital Flex \$ 494,547

Sm Rur Hosp Improv \$ 396,000

State Loan Repayment \$ 150,000

State Office of Rur \$ 180,000

Traumatic Brain Inju \$ 250,000

10. OTHER FEDERAL FUNDS (SUBTOTAL of all Funds under item 9)

\$ 177,154,471

11. STATE MCH BUDGET TOTAL

(Partnership subtotal + Other Federal MCH Funds subtotal)

\$ 202,431,619

FORM NOTES FOR FORM 2
None
FIELD LEVEL NOTES
None

FORM 3
STATE MCH FUNDING PROFILE

[Secs. 505(a) and 506(a)(1-3)]

STATE: MO

	FY 2006		FY 2007		FY 2008	
	BUDGETED	EXPENDED	BUDGETED	EXPENDED	BUDGETED	EXPENDED
1. Federal Allocation <i>(Line1, Form 2)</i>	\$ 14,575,000	\$ 13,498,620	\$ 13,999,710	\$ 12,016,312	\$ 13,406,174	\$ 12,739,380
2. Unobligated Balance <i>(Line2, Form 2)</i>	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
3. State Funds <i>(Line3, Form 2)</i>	\$ 10,915,250	\$ 10,472,763	\$ 10,483,783	\$ 10,094,959	\$ 10,019,631	\$ 9,978,402
4. Local MCH Funds <i>(Line4, Form 2)</i>	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
5. Other Funds <i>(Line5, Form 2)</i>	\$ 16,000	\$ 11,700	\$ 16,000	\$ 34,563	\$ 35,000	\$ 0
6. Program Income <i>(Line6, Form 2)</i>	\$ 1,000,000	\$ 1,210,790	\$ 1,000,000	\$ 1,301,478	\$ 1,000,000	\$ 1,142,624
7. Subtotal	\$ 26,506,250	\$ 25,193,873	\$ 25,499,493	\$ 23,447,312	\$ 24,460,805	\$ 23,860,406
(THE FEDERAL-STATE TITLE BLOCK GRANT PARTNERSHIP)						
8. Other Federal Funds <i>(Line10, Form 2)</i>	\$ 115,854,535	\$ 105,324,359	\$ 119,525,914	\$ 117,127,747	\$ 120,627,916	\$ 129,713,630
9. Total <i>(Line11, Form 2)</i>	\$ 142,360,785	\$ 130,518,232	\$ 145,025,407	\$ 140,575,059	\$ 145,088,721	\$ 153,574,036
(STATE MCH BUDGET TOTAL)						

FORM 3
STATE MCH FUNDING PROFILE

[Secs. 505(a) and 506(a)(1-3)]

STATE: MO

	FY 2009		FY 2010		FY 2011	
	BUDGETED	EXPENDED	BUDGETED	EXPENDED	BUDGETED	EXPENDED
1. Federal Allocation (Line1, Form 2)	\$ 14,185,831	\$ 13,021,865	\$ 13,024,136		\$ 13,236,586	
2. Unobligated Balance (Line2, Form 2)	\$ 0	\$ 0	\$ 0		\$ 0	
3. State Funds (Line3, Form 2)	\$ 10,614,374	\$ 13,249,895	\$ 9,680,697		\$ 12,036,562	
4. Local MCH Funds (Line4, Form 2)	\$ 0	\$ 0	\$ 0		\$ 0	
5. Other Funds (Line5, Form 2)	\$ 25,000	\$ 4,726	\$ 35,000		\$ 4,000	
6. Program Income (Line6, Form 2)	\$ 1,000,000	\$ 0	\$ 1,000,000		\$ 0	
7. Subtotal	\$ 25,825,205	\$ 26,276,486	\$ 23,739,833	\$ 0	\$ 25,277,148	\$ 0
(THE FEDERAL-STATE TITLE BLOCK GRANT PARTNERSHIP)						
8. Other Federal Funds (Line10, Form 2)	\$ 120,774,626	\$ 90,296,396	\$ 141,276,145		\$ 177,154,471	
9. Total (Line11, Form 2)	\$ 146,599,831	\$ 116,572,882	\$ 165,015,978	\$ 0	\$ 202,431,619	\$ 0
(STATE MCH BUDGET TOTAL)						

FORM NOTES FOR FORM 3

None

FIELD LEVEL NOTES

1. **Section Number:** Form3_Main
Field Name: StateMCHFundsExpended
Row Name: State Funds
Column Name: Expended
Year: 2009
Field Note:
Due to a change in how match funding is reported, additional match expenses were able to be included that haven't in years past.
2. **Section Number:** Form3_Main
Field Name: OtherFundsExpended
Row Name: Other Funds
Column Name: Expended
Year: 2009
Field Note:
Other funds are restricted. Only used what was needed for FFY09.
3. **Section Number:** Form3_Main
Field Name: OtherFundsExpended
Row Name: Other Funds
Column Name: Expended
Year: 2008
Field Note:
Expenditures from the Smith Memorial Funds for direct care services were less than anticipated.
4. **Section Number:** Form3_Main
Field Name: ProgramIncomeExpended
Row Name: Program Income
Column Name: Expended
Year: 2009
Field Note:
Due to the changes in how match funding is reported, this item is no longer included.
5. **Section Number:** Form3_Main
Field Name: ProgramIncomeExpended
Row Name: Program Income
Column Name: Expended
Year: 2008
Field Note:
Medicaid program income for the HCY program was greater than budgeted.
6. **Section Number:** Form3_Main
Field Name: OtherFedFundsExpended
Row Name: Other Federal Funds
Column Name: Expended
Year: 2009
Field Note:
Upon review of past years, it was determined that WIC Formula rebates had been included in the budget, but should not have been as they are not federal dollars. The difference is reflected in the expenditures.

FORM 4

BUDGET DETAILS BY TYPES OF INDIVIDUALS SERVED (I) AND SOURCES OF OTHER FEDERAL FUNDS (II)

[Secs 506(2)(2)(iv)]

STATE: MO

	FY 2006		FY 2007		FY 2008	
	BUDGETED	EXPENDED	BUDGETED	EXPENDED	BUDGETED	EXPENDED
I. Federal-State MCH Block Grant Partnership						
a. Pregnant Women	\$ 1,452,883	\$ 1,282,321	\$ 1,391,213	\$ 1,328,130	\$ 1,474,115	\$ 1,351,286
b. Infants < 1 year old	\$ 2,207,612	\$ 2,309,845	\$ 1,988,269	\$ 1,743,700	\$ 1,902,356	\$ 1,609,223
c. Children 1 to 22 years old	\$ 9,423,913	\$ 9,165,123	\$ 9,286,759	\$ 8,653,658	\$ 8,510,783	\$ 9,139,637
d. Children with Special Healthcare Needs	\$ 8,459,227	\$ 8,102,039	\$ 8,081,268	\$ 7,591,866	\$ 8,203,383	\$ 7,437,351
e. Others	\$ 3,505,115	\$ 3,070,898	\$ 3,352,026	\$ 2,941,804	\$ 3,029,671	\$ 3,065,582
f. Administration	\$ 1,457,500	\$ 1,263,647	\$ 1,399,958	\$ 1,188,154	\$ 1,340,497	\$ 1,257,327
g. SUBTOTAL	\$ 26,506,250	\$ 25,193,873	\$ 25,499,493	\$ 23,447,312	\$ 24,460,805	\$ 23,860,406
II. Other Federal Funds (under the control of the person responsible for administration of the Title V program).						
a. SPRANS	\$ 0		\$ 0		\$ 0	
b. SSDI	\$ 100,000		\$ 100,000		\$ 100,000	
c. CISS	\$ 0		\$ 0		\$ 0	
d. Abstinence Education	\$ 904,531		\$ 885,593		\$ 0	
e. Healthy Start	\$ 0		\$ 0		\$ 0	
f. EMSC	\$ 0		\$ 0		\$ 0	
g. WIC	\$ 113,262,676		\$ 111,804,230		\$ 115,030,890	
h. AIDS	\$ 0		\$ 1,170,399		\$ 0	
i. CDC	\$ 1,246,328		\$ 5,388,192		\$ 5,057,026	
j. Education	\$ 0		\$ 0		\$ 0	
k. Other						
Early Childhood	\$ 126,000		\$ 0		\$ 140,000	
Newborn Screening	\$ 150,000		\$ 112,500		\$ 150,000	
Traumatic Brain Inj	\$ 0		\$ 0		\$ 150,000	
Oral Healthcare	\$ 65,000		\$ 65,000		\$ 0	
III. SUBTOTAL	\$ 115,854,535		\$ 119,525,914		\$ 120,627,916	

FORM 4

BUDGET DETAILS BY TYPES OF INDIVIDUALS SERVED (I) AND SOURCES OF OTHER FEDERAL FUNDS (II)

[Secs 506(2)(2)(iv)]

STATE: MO

	FY 2009		FY 2010		FY 2011	
	BUDGETED	EXPENDED	BUDGETED	EXPENDED	BUDGETED	EXPENDED
I. Federal-State MCH Block Grant Partnership						
a. Pregnant Women	\$ 1,782,078	\$ 2,113,335	\$ 1,486,073		\$ 3,114,394	
b. Infants < 1 year old	\$ 1,950,833	\$ 1,889,647	\$ 1,749,461		\$ 3,503,169	
c. Children 1 to 22 years old	\$ 9,365,476	\$ 10,541,095	\$ 8,812,755		\$ 10,259,805	
d. Children with Special Healthcare Needs	\$ 8,252,474	\$ 7,573,072	\$ 7,418,103		\$ 6,360,423	
e. Others	\$ 3,075,226	\$ 2,882,131	\$ 2,996,275		\$ 742,171	
f. Administration	\$ 1,399,118	\$ 1,277,206	\$ 1,277,166		\$ 1,297,186	
g. SUBTOTAL	\$ 25,825,205	\$ 26,276,486	\$ 23,739,833	\$ 0	\$ 25,277,148	\$ 0
II. Other Federal Funds (under the control of the person responsible for administration of the Title V program).						
a. SPRANS	\$ 0		\$ 0		\$ 0	
b. SSDI	\$ 100,000		\$ 100,000		\$ 93,713	
c. CISS	\$ 0		\$ 0		\$ 0	
d. Abstinence Education	\$ 885,593		\$ 885,593		\$ 0	
e. Healthy Start	\$ 0		\$ 0		\$ 0	
f. EMSC	\$ 0		\$ 0		\$ 0	
g. WIC	\$ 113,846,133		\$ 134,825,574		\$ 99,699,355	
h. AIDS	\$ 0		\$ 0		\$ 0	
i. CDC	\$ 5,502,544		\$ 5,074,020		\$ 16,573,096	
j. Education	\$ 0		\$ 0		\$ 0	
k. Other						
Early Childhood	\$ 140,356		\$ 105,000		\$ 140,000	
Newborn Hearing	\$ 0		\$ 0		\$ 298,937	
Other USDA Grants	\$ 0		\$ 0		\$ 58,556,096	
Primary Care Offices	\$ 0		\$ 0		\$ 222,727	
Rural Acces to Emer	\$ 0		\$ 0		\$ 100,000	
Rural Hospital Flex	\$ 0		\$ 0		\$ 494,547	
Sm Rur Hosp Improv	\$ 0		\$ 0		\$ 396,000	
State Loan Repayment	\$ 0		\$ 0		\$ 150,000	
State Office of Rur	\$ 0		\$ 0		\$ 180,000	
Traumatic Brain Inju	\$ 0		\$ 0		\$ 250,000	
Newborn Screening	\$ 150,000		\$ 150,000		\$ 0	
Traumatic Brain Inj	\$ 150,000		\$ 135,958		\$ 0	
III. SUBTOTAL	\$ 120,774,626		\$ 141,276,145		\$ 177,154,471	

FORM NOTES FOR FORM 4

None

FIELD LEVEL NOTES

1. **Section Number:** Form4_I. Federal-State MCH Block Grant Partnership
Field Name: PregWomenBudgeted
Row Name: Pregnant Women
Column Name: Budgeted
Year: 2009
Field Note:
Additional funds budgeted for Alternatives to Abortion
2. **Section Number:** Form4_I. Federal-State MCH Block Grant Partnership
Field Name: PregWomenExpended
Row Name: Pregnant Women
Column Name: Expended
Year: 2009
Field Note:
Due to a re-evaluation of funding distribution, more funding for the Alternatives to Abortion program was able to be used.
3. **Section Number:** Form4_I. Federal-State MCH Block Grant Partnership
Field Name: Children_0_1Expended
Row Name: Infants <1 year old
Column Name: Expended
Year: 2008
Field Note:
Lab expenditures not utilized due to completion of system. Reduction in PS, fringe, and allocations due to vacancies.
4. **Section Number:** Form4_I. Federal-State MCH Block Grant Partnership
Field Name: Children_1_22Budgeted
Row Name: Children 1 to 22 years old
Column Name: Budgeted
Year: 2009
Field Note:
Additional funds for SAFE CARE Network. Increase in personnel expenditures and related fringe benefits due to reorganization and realignment of duties.
5. **Section Number:** Form4_I. Federal-State MCH Block Grant Partnership
Field Name: Children_1_22Expended
Row Name: Children 1 to 22 years old
Column Name: Expended
Year: 2009
Field Note:
Due to a re-evaluation of funding distribution, more funding was able to be used for Children 1-22 years of age.

FORM 5
STATE TITLE V PROGRAM BUDGET AND EXPENDITURES BY TYPES OF SERVICES

[Secs. 505(a)(2)(A-B) and 506(a)(1)(A-D)]

STATE: MO

TYPE OF SERVICE	FY 2006		FY 2007		FY 2008	
	BUDGETED	EXPENDED	BUDGETED	EXPENDED	BUDGETED	EXPENDED
I. Direct Health Care Services (Basic Health Services and Health Services for CSHCN.)	\$ 1,080,232	\$ 1,035,249	\$ 1,169,430	\$ 1,134,222	\$ 1,101,043	\$ 1,073,747
II. Enabling Services (Transportation, Translation, Outreach, Respite Care, Health Education, Family Support Services, Purchase of Health Insurance, Case Management, and Coordination with Medicaid, WIC, and Education.)	\$ 5,990,192	\$ 5,898,765	\$ 5,978,322	\$ 5,893,707	\$ 6,009,197	\$ 5,556,297
III. Population-Based Services (Newborn Screening, Lead Screening, Immunization, Sudden Infant Death Syndrome Counseling, Oral Health, Injury Prevention, Nutrition, and Outreach/Public Education.)	\$ 11,085,485	\$ 10,966,078	\$ 10,197,736	\$ 9,166,234	\$ 9,533,332	\$ 9,639,311
IV. Infrastructure Building Services (Needs Assessment, Evaluation, Planning, Policy Development, Coordination, Quality Assurance, Standards Development, Monitoring, Training, Applied Research, Systems of Care, and Information Systems.)	\$ 8,350,341	\$ 7,293,781	\$ 8,154,005	\$ 7,253,149	\$ 7,817,233	\$ 7,591,051
V. Federal-State Title V Block Grant Partnership Total (Federal-State Partnership only. Item 15g of SF 42r. For the "Budget" columns this is the same figure that appears in Line 8, Form 2, and in the "Budgeted" columns of Line 7 Form 3. For the "Expended" columns this is the same figure that appears in the "Expended" columns of Line 7, Form 3.)	\$ 26,506,250	\$ 25,193,873	\$ 25,499,493	\$ 23,447,312	\$ 24,460,805	\$ 23,860,406

FORM 5
STATE TITLE V PROGRAM BUDGET AND EXPENDITURES BY TYPES OF SERVICES

[Secs. 505(a)(2)(A-B) and 506(a)(1)(A-D)]

STATE: MO

TYPE OF SERVICE	FY 2009		FY 2010		FY 2011	
	BUDGETED	EXPENDED	BUDGETED	EXPENDED	BUDGETED	EXPENDED
I. Direct Health Care Services (Basic Health Services and Health Services for CSHCN.)	\$ 1,028,275	\$ 1,206,994	\$ 565,107		\$ 972,624	
II. Enabling Services (Transportation, Translation, Outreach, Respite Care, Health Education, Family Support Services, Purchase of Health Insurance, Case Management, and Coordination with Medicaid, WIC, and Education.)	\$ 6,407,900	\$ 5,530,142	\$ 5,899,004		\$ 6,185,659	
III. Population-Based Services (Newborn Screening, Lead Screening, Immunization, Sudden Infant Death Syndrome Counseling, Oral Health, Injury Prevention, Nutrition, and Outreach/Public Education.)	\$ 9,555,345	\$ 11,569,777	\$ 8,875,575		\$ 12,003,245	
IV. Infrastructure Building Services (Needs Assessment, Evaluation, Planning, Policy Development, Coordination, Quality Assurance, Standards Development, Monitoring, Training, Applied Research, Systems of Care, and Information Systems.)	\$ 8,833,685	\$ 7,969,573	\$ 8,400,147		\$ 6,115,620	
V. Federal-State Title V Block Grant Partnership Total (Federal-State Partnership only. Item 15g of SF 42r. For the "Budget" columns this is the same figure that appears in Line 8, Form 2, and in the "Budgeted" columns of Line 7 Form 3. For the "Expended" columns this is the same figure that appears in the "Expended" columns of Line 7, Form 3.)	\$ 25,825,205	\$ 26,276,486	\$ 23,739,833	\$ 0	\$ 25,277,148	\$ 0

FORM NOTES FOR FORM 5

None

FIELD LEVEL NOTES

1. **Section Number:** Form5_Main
Field Name: DirectHCExpended
Row Name: Direct Health Care Services
Column Name: Expended
Year: 2009
Field Note:
Expenditures were higher due to a re-evaluation of funding distribution.
2. **Section Number:** Form5_Main
Field Name: EnablingExpended
Row Name: Enabling Services
Column Name: Expended
Year: 2009
Field Note:
Expenditures are lower due to vacant positions and a re-evaluation of funding distribution.
3. **Section Number:** Form5_Main
Field Name: PopBasedExpended
Row Name: Population-Based Services
Column Name: Expended
Year: 2009
Field Note:
Expenditures are shown higher due to a re-evaluation in funding distribution.
4. **Section Number:** Form5_Main
Field Name: InfrastrBuildBudgeted
Row Name: Infrastructure Building Services
Column Name: Budgeted
Year: 2009
Field Note:
Additional funds budgeted for SAFE CARE Network. Additional funds budgeted due to increase in personnel costs and related fringe benefits.

FORM 6

NUMBER AND PERCENTAGE OF NEWBORNS AND OTHERS SCREENED, CASES CONFIRMED, AND TREATED

Sect. 506(a)(2)(B)(iii)

STATE: MO

Total Births by Occurrence: 78,631

Reporting Year: 2009

Type of Screening Tests	(A) Receiving at least one Screen (1)		(B) No. of Presumptive Positive Screens	(C) No. Confirmed Cases (2)	(D) Needing Treatment that Received Treatment (3)	
	No.	%			No.	%
Phenylketonuria	78,881	100.3	8	2	2	100
Congenital Hypothyroidism	78,881	100.3	46	38	38	100
Galactosemia	78,881	100.3	41	2	2	100
Sickle Cell Disease	78,881	100.3	41	38	38	100
Other Screening (Specify)						
Biotinidase Deficiency	78,881	100.3	26	18	18	100
Cystic Fibrosis	78,881	100.3	81	24	24	100
Organic Acid Disorders	78,881	100.3	34	10	10	100
Fatty acid Disorders	78,881	100.3	39	17	17	100
Amino Acid disorders (excluding PKU)	78,881	100.3	13	4	4	100
Screening Programs for Older Children & Women (Specify Tests by name)						
(1) Use occurrent births as denominator.						
(2) Report only those from resident births.						
(3) Use number of confirmed cases as denominator.						

FORM NOTES FOR FORM 6

Source: DHSS, Bureau of Genetics and Healthy Childhood. Final calendar year 2009 data.

More screens than provisional births is most likely a result of newborn screens being counted as an initial screen when they should have been counted as a repeat and thus are not linked. However, these situations can occur due to a combination of one or more of the following:

- name changes to the baby and/or mother or changes in the mother's address;
- babies who have been adopted and have an initial newborn screen under the new adoptive name when the screen should have been counted as a repeat;
- the baby being born in late December 2008 and the newborn screen was received in the lab in January 2009 and thus counted as an initial NBS for 2009; and
- babies born in a bordering state and are transferred for medical care to a Missouri hospital where they will often have a newborn screen in Missouri even though they were not born in Missouri.

FIELD LEVEL NOTES

1. **Section Number:** Form6_Main

Field Name: BirthOccurence

Row Name: Total Births By Occurence

Column Name: Total Births By Occurence

Year: 2011

Field Note:

Field Note:

Number of live births of Missouri residents. 2009 provisional data as of April 2010. Source:DHSS Vital Statistics. Final birth number available October 2010.

2. **Section Number:** Form6_Main

Field Name: Phenylketonuria_OneScreenNo

Row Name: Phenylketonuria

Column Name: Receiving at least one screen

Year: 2011

Field Note:

Field Note:

Eight with presumptive positive screens with 2 confirmed.

Source: DHSS Bureau of Genetics and Healthy Childhood. Final 2009 calendar year data.

3. **Section Number:** Form6_Main

Field Name: Congenital_OneScreenNo

Row Name: Congenital

Column Name: Receiving at least one screen

Year: 2011

Field Note:

Field Note:

Forty six with presumptive positive screens. Thirty eight were confirmed and treated.

Source: DHSS Bureau of Genetics and Healthy Childhood. Final calendar 2009 information.

4. **Section Number:** Form6_Main

Field Name: Galactosemia_OneScreenNo

Row Name: Galactosemia

Column Name: Receiving at least one screen

Year: 2011

Field Note:

Field Note:

Forty one presumptive positive screens with 2 confirmed. There were two needing and receiving treatment

Source: DHSS Bureau of Genetics and Healthy Childhood, Final calendar 2009 data.

5. **Section Number:** Form6_Main

Field Name: SickleCellDisease_OneScreenNo

Row Name: SickleCellDisease

Column Name: Receiving at least one screen

Year: 2011

Field Note:

Field Note:

Forty one with presumptive positive screening. Thirty eight were needing and received treatment. Three were born at the end of the year and confirmatory results have not yet been returned.

Source: DHSS Bureau of Genetics and Healthy Childhood. Final calendar year 2009 data.

6. **Section Number:** Form6_Other Screening Types

Field Name: Other

Row Name: All Rows

Column Name: All Columns

Year: 2011

Field Note:

Field Note:

Additional newborn screens: Fatty Acid Disorders, Congenital Adrenal Hyperplasia (CAH), Amino Acid disorders(excluding PKU), Organic Acid disorders, Cystic Fibrosis, and Biotinidase Deficiency.

Source: DHSS Bureau of Genetics and Healthy Childhood, Final calendar 2009 data.

FORM 7
NUMBER OF INDIVIDUALS SERVED (UNDUPLICATED) UNDER TITLE V
(BY CLASS OF INDIVIDUALS AND PERCENT OF HEALTH COVERAGE)

[Sec. 506(a)(2)(A)(i-ii)]

STATE: MO

Reporting Year: 2009

	TITLE V	PRIMARY SOURCES OF COVERAGE				
Types of Individuals Served	(A) Total Served	(B) Title XIX %	(C) Title XXI %	(D) Private/Other %	(E) None %	(F) Unknown %
Pregnant Women	44,243	100.0				
Infants < 1 year old	78,881	41.3		54.0	4.7	
Children 1 to 22 years old	422,500	24.1		64.5	11.4	
Children with Special Healthcare Needs	3,872	91.0		5.0	4.0	
Others	21,775	8.1		74.6	17.3	
TOTAL	571,271					

FORM NOTES FOR FORM 7

None

FIELD LEVEL NOTES

- 1. Section Number:** Form7_Main
Field Name: PregWomen_TS
Row Name: Pregnant Women
Column Name: Title V Total Served
Year: 2011
Field Note:
Mothers served Home Visiting, FFY 2009 : 511 MCBHV
Mothers receiving home visiting services thru Building Blocks of Mo program 446 FFY 2009 MCBHV
Number of women receiving prenatal care through community health centers, Final CY 2009 8,238(duplicates possible);
Alternatives to Abortion, SFY 2009: 2,641;
Healthy Babies (BYB) – Baby Your Baby Keepsake Books distributed: 32,407
Total: 44,243 (duplicates possible)
- 2. Section Number:** Form7_Main
Field Name: PregWomen_XIX
Row Name: Pregnant Women
Column Name: Title XIX %
Year: 2011
Field Note:
Percent of Title XIX is assumed to be 100% of all Title V pregnant women served in 2009.
- 3. Section Number:** Form7_Main
Field Name: Children_0_1_TS
Row Name: Infants <1 year of age
Column Name: Title V Total Served
Year: 2011
Field Note:
Infants served Home Visiting, FFY 2009: 230 MCBHV + 316 Building Blocks;
Metabolic Screenings, CY 2009: 78,881;
Newborn Hearing Screening, CY 2009 (provisional): 77,557;
Alternatives to Abortion births, SFY 2009: 712;
Unduplicated Total: 78,881
- 4. Section Number:** Form7_Main
Field Name: Children_0_1_XIX
Row Name: Infants <1 year of age
Column Name: Title XIX %
Year: 2011
Field Note:
Percent of Medicaid infants <1 year old is estimate by a surrogate measure of 'no insurance' from US Census Bureau. Current Population Survey 2009, Annual Social & Economic Supplement, 2009
- 5. Section Number:** Form7_Main
Field Name: Children_0_1_Private
Row Name: Infants <1 year of age
Column Name: Private/Other %
Year: 2011
Field Note:
Percent of private/other health insurance coverage is estimated by a surrogate measure "Medicaid coverage status for ages 0-1 years", plus no insurance for ages 0-1' subtracted from 100% obtained from the US Census Bureau. Current Population Survey 2009, Annual Social & Economic Supplement, 2009.
- 6. Section Number:** Form7_Main
Field Name: Children_0_1_None
Row Name: Infants <1 year of age
Column Name: None %
Year: 2011
Field Note:
Percent of uninsured health coverage for infants <1 year old is estimate by a surrogate measure of 'no insurance' from US Census Bureau. Current Population Survey 2009, Annual Social & Economic Supplement, 2009.
- 7. Section Number:** Form7_Main
Field Name: Children_1_22_TS
Row Name: Children 1 to 22 years of age
Column Name: Title V Total Served
Year: 2011
Field Note:
Adolescent Health (age 12-17), FFY 2009: 18,182;
Teen Outreach Program (age 11-15), FFY 2009: 352;
Safe Kids, FFY 2009: 93,442;
Think First, FFY 2009: 15,636(final unduplicated)
School Health, FFY 2009: 269,178
Helped under SHS contacts FFY 2009 :23,431 students (possible duplicates)
includes:
3206 IPH
9478 AAP
7933 EAP
2814 HAP
SAFE-exams reported to DHSS, FFY 2009: 2,279
Total: 422,500 (duplicates possible).
- 8. Section Number:** Form7_Main
Field Name: Children_1_22_XIX
Row Name: Children 1 to 22 years of age
Column Name: Title XIX %
Year: 2011
Field Note:
Percent of Title XIX coverage is estimated by a surrogate measure "Medicaid coverage status for ages 1-22", obtained from the US Census Bureau. Current Population Survey 2009, Annual Social & Economic Supplement, 2009.

9. **Section Number:** Form7_Main
Field Name: Children_1_22_Private
Row Name: Children 1 to 22 years of age
Column Name: Private/Other %
Year: 2011
Field Note:
Percent of private/other health insurance coverage is estimated by a surrogate measure "Medicaid coverage status for ages 1-22 years", plus no insurance for ages 1-22' subtracted from 100% obtained from the US Census Bureau. Current Population Survey 2009, Annual Social & Economic Supplement, 2009.
10. **Section Number:** Form7_Main
Field Name: Children_1_22_None
Row Name: Children 1 to 22 years of age
Column Name: None %
Year: 2011
Field Note:
Percent of uninsured health coverage for persons 1-22 years old is estimate by a surrogate measure of 'no insurance' from US Census Bureau. Current Population Survey 2009, Annual Social & Economic Supplement, 2009.
11. **Section Number:** Form7_Main
Field Name: CSHCN_TS
Row Name: Children with Special Health Care Needs
Column Name: Title V Total Served
Year: 2011
Field Note:
Field Note:
Children with Special Health Care Needs (CSHCN/Youth), SFY 2009: 752
Children with Special Health Care Needs (Service Coordination Only), SFY 2009: 507,
Children with Special Health Care Needs (Healthy Children and Youth), SFY 2009: 2613;
Total: 3,872(duplicate possible).
Children w /Special Health Care Needs (Community Services/SCHNSHCN) SFY 2009: 42,644
Children w/ Special Health Care Needs(CSHCN/Youth), SFY 2009: 16,278,
Children w /Special Health Care Needs (AHI), SFY 2009 11,100.
Children w /Special Health Care Needs /SHCN Web Inquiries Total SFY 2009: 174,966
Children w /Special Health Care Needs (Healthy Children and Youth), Non Accepted Referrals SFY 2009:133
12. **Section Number:** Form7_Main
Field Name: CSHCN_XIX
Row Name: Children with Special Health Care Needs
Column Name: Title XIX %
Year: 2011
Field Note:
Percent of Title XIX children with special health care needs provided by Bureau of Special Health Care Needs, DHSS.
13. **Section Number:** Form7_Main
Field Name: CSHCN_Private
Row Name: Children with Special Health Care Needs
Column Name: Private/Other %
Year: 2011
Field Note:
Percent of private/other health care coverage for children with special health care needs provided by Bureau of Special Health Care Needs, DHSS.
14. **Section Number:** Form7_Main
Field Name: CSHCN_None
Row Name: Children with Special Health Care Needs
Column Name: None %
Year: 2011
Field Note:
Percent of children with special health care needs with no insurance coverage in 2009 provided by Bureau of Special Health Care Needs, DHSS.
15. **Section Number:** Form7_Main
Field Name: AllOthers_TS
Row Name: Others
Column Name: Title V Total Served
Year: 2011
Field Note:
Nurse Training Programs, FFY 2009: 599;
Nurses Receiving Training Materials, FFY 2009: 120;
Trained in Home Visiting Training programs, FFY 2009: 53
Health care providers, foster parents, professionals receiving training on "Current Adolescent Health Issues" and healthy youth development, FFY 2009: 445
Health care providers, school personnel, and other youth serving professionals receiving the "Adolescent Shorts" newsletter, FFY 2009: 6,000;
Childcare providers receiving training on inclusion services for children with special needs, FFY 2009: 3,838
Number of parents receiving technical assistance for:
Children with special needs, FFY 2009: 366
Medicaid+ (for special needs), FFY 2009: 662
Community request for education on special needs, FFY 2009:793
Direct contacts made during community awareness activities, FFY 2009: 7,186
Number of families receiving special health care needs publications, FFY 2009: 897
On site inclusion technical assistance visits with child care providers FFY
2009: 816
Total: 21,775
16. **Section Number:** Form7_Main
Field Name: AllOthers_XIX
Row Name: Others
Column Name: Title XIX %
Year: 2011
Field Note:
Percent of Title XIX coverage is estimated by a surrogate measure "Medicaid coverage status for ages 18-64", obtained from the US Census Bureau. Current Population Survey 2009, Annual Social & Economic Supplement, 2009.
17. **Section Number:** Form7_Main
Field Name: AllOthers_Private
Row Name: Others
Column Name: Private/Other %
Year: 2011

Field Note:
Percent of private/other health insurance coverage is estimated by a surrogate measure "Medicaid coverage status for ages 18-64", plus no insurance' subtracted from 100% obtained from the US Census Bureau. Current Population Survey 2009, Annual Social & Economic Supplement, 2009.

18. **Section Number:** Form7_Main
Field Name: AllOthers_None
Row Name: Others
Column Name: None %
Year: 2011
Field Note:
Percent of no health insurance coverage is estimated by a surrogate measure "No insurance coverage status for ages 18-64", obtained from the US Census Bureau. Current Population Survey 2009, Annual Social & Economic Supplement, 2009.

FORM 8
DELIVERIES AND INFANTS SERVED BY TITLE V AND ENTITLED TO BENEFITS UNDER TITLE
XIX
(BY RACE AND ETHNICITY)
[SEC. 506(A)(2)(C-D)]
STATE: MO

Reporting Year: 2009

I. UNDUPLICATED COUNT BY RACE

	(A) Total All Races	(B) White	(C) Black or African American	(D) American Indian or Native Alaskan	(E) Asian	(F) Native Hawaiian or Other Pacific Islander	(G) More than one race reported	(H) Other and Unknown
DELIVERIES								
Total Deliveries in State	79,099	63,622	12,152	356	1,220	802	159	788
Title V Served	79,099	63,622	12,152	356	1,220	802	159	788
Eligible for Title XIX	37,887	27,773	8,773	222	282	265	108	464
INFANTS								
Total Infants in State	78,664	63,318	12,041	355	1,208	801	159	782
Title V Served	78,664	63,318	12,041	355	1,208	801	159	782
Eligible for Title XIX	37,675	27,636	8,705	221	279	265	108	461

II. UNDUPLICATED COUNT BY ETHNICITY

				HISPANIC OR LATINO (Sub-categories by country or area of origin)				
	(A) Total NOT Hispanic or Latino	(B) Total Hispanic or Latino	(C) Ethnicity Not Reported	(B.1) Mexican	(B.2) Cuban	(B.3) Puerto Rican	(B.4) Central and South American	(B.5) Other and Unknown
DELIVERIES								
Total Deliveries in State	74,694	4,301	104					4,301
Title V Served	74,694	4,301	104					4,301
Eligible for Title XIX	35,132	2,732	23					2,732
INFANTS								
Total Infants in State	74,279	4,284	101					4,284
Title V Served	74,279	4,284	101					4,284
Eligible for Title XIX	34,929	2,723	23					2,723

FORM NOTES FOR FORM 8

Source: DHSS Vital Statistics. Provisional 2009 total births as of May 2009. Final numbers will be available November, 2010.

FIELD LEVEL NOTES

1. **Section Number:** Form8_I. Unduplicated Count By Race

Field Name: DeliveriesTotal_All

Row Name: Total Deliveries in State

Column Name: Total All Races

Year: 2011

Field Note:

Field Note:

Source: DHSS Vital Statistics. Provisional 2009 total deliveries as of May 2010. Final numbers will be available November 2010.

2. **Section Number:** Form8_I. Unduplicated Count By Race

Field Name: InfantsTotal_All

Row Name: Total Infants in State

Column Name: Total All Races

Year: 2011

Field Note:

Field Note:

Source: DHSS Vital Statistics. Provisional 2009 total live births as of May 2010. Final numbers will be available November 2010.

3. **Section Number:** Form8_II. Unduplicated Count by Ethnicity

Field Name: DeliveriesTotal_TotalNotHispanic

Row Name: Total Deliveries in State

Column Name: Total Not Hispanic or Latino

Year: 2011

Field Note:

Source: DHSS Vital Statistics. Provisional 2009 total deliveries as of May 2010. Final numbers will be available November 2010.

4. **Section Number:** Form8_II. Unduplicated Count by Ethnicity

Field Name: InfantsTotal_TotalNotHispanic

Row Name: Total Infants in State

Column Name: Total Not Hispanic or Latino

Year: 2011

Field Note:

Source: DHSS Vital Statistics. Provisional 2009 total live births as of May 2010. Final numbers will be available November 2010.

FORM 9
STATE MCH TOLL-FREE TELEPHONE LINE DATA FORM (OPTIONAL)
[SECS. 505(A)(E) AND 509(A)(8)]
STATE: MO

	FY 2011	FY 2010	FY 2009	FY 2008	FY 2007
1. State MCH Toll-Free "Hotline" Telephone Number	_____	_____	_____	_____	_____
2. State MCH Toll-Free "Hotline" Name					
3. Name of Contact Person for State MCH "Hotline"	_____	_____	_____	_____	_____
4. Contact Person's Telephone Number	_____	_____	_____	_____	_____
5. Contact Person's Email	_____	_____	_____	_____	_____
6. Number of calls received on the State MCH "Hotline" this reporting period	_____ 0	_____ 0	_____ 0	_____ 0	_____ 0

FORM 9
STATE MCH TOLL-FREE TELEPHONE LINE DATA FORM
[SECS. 505(A)(E) AND 509(A)(8)]
STATE: MO

	FY 2011	FY 2010	FY 2009	FY 2008	FY 2007
1. State MCH Toll-Free "Hotline" Telephone Number	<u>(800) 835-5465</u>	<u>(800) 835-5465</u>	<u>(800) 835-5465</u>	<u>(800) 835-5465</u>	<u>(800) 835-5465</u>
2. State MCH Toll-Free "Hotline" Name	<u>TEL-LINK</u>	<u>TEL-LINK</u>	<u>TEL-LINK</u>	<u>TEL-LINK</u>	<u>TEL-LINK</u>
3. Name of Contact Person for State MCH "Hotline"	<u>Peggy Henderson</u>	<u>Peggy Henderson</u>	<u>Peggy Henderson</u>	<u>Peggy Henderson</u>	<u>Peggy Henderson</u>
4. Contact Person's Telephone Number	<u>(573)884-8906</u>	<u>(573)884-8906</u>	<u>(573) 522-2891</u>	<u>(573) 522-2891</u>	<u>(573) 522-2891</u>
5. Contact Person's Email	<u>Peggy.Henderson@dhss</u>	<u>Peggy.Henderson@dhss</u>	<u></u>	<u></u>	<u></u>
6. Number of calls received on the State MCH "Hotline" this reporting period	<u>0</u>	<u>0</u>	<u>2,785</u>	<u>2,617</u>	<u>2,509</u>

FORM NOTES FOR FORM 9

None

FIELD LEVEL NOTES

1. **Section Number:** Form9_Main
Field Name: hnumber_2
Row Name: State MCH toll-free hotline telephone number
Column Name: FY
Year: 2011
Field Note:
Field Note:
Total calls received in SFY 2009: 2,785
Total Website hits CY 2009: 8,985
2. **Section Number:** Form9_Main
Field Name: calls_2
Row Name: Number of calls received On the State MCH Hotline This reporting period
Column Name: FY
Year: 2009
Field Note:
Total calls received in SFY 2009: 2,785
Total Website hits CY 2009: 8,985

FORM 10
TITLE V MATERNAL & CHILD HEALTH SERVICES BLOCK GRANT
STATE PROFILE FOR FY 2011
[SEC. 506(A)(1)]
STATE: MO

1. State MCH Administration:
(max 2500 characters)

The Title V Maternal and Child Health (MCH) agency in Missouri is the Department of Health and Senior Services (DHSS), Division of Community and Public Health (DCPH), Section for Healthy Families and Youth (HFY). The Section Administrator, Melinda Sanders, MSN, RN, serves as the Title V Director. Two principal bureaus for serving the MCH population are located within the section; Genetics and Healthy Childhood (GHC) and Special Health Care Needs (SHCN). GHC promotes and protects the health and safety of individuals and families based on their unique conditions, needs and situations, utilizing multiple programs within the bureau. The bureau achieves this by implementing prevention and intervention strategies to optimize health and environment from pre-pregnancy through adulthood. Related activities of the bureau include: Newborn Blood Spot Screening; Newborn Hearing Screening; Sickle Cell Anemia; Alcohol, Tobacco and Other Drug Prevention and Awareness; Alternatives to Abortion; Birth Defects Awareness; Breastfeeding Program; Fetal and Infant Mortality Review; Folic Acid Program; MCH Home Visiting Programs; Newborn Health Program; TEL-LINK; Adolescent Health Program; Injury/Violence Prevention; and the School Health Program. SHCN provides statewide health care support services, including service coordination, for children and adults with disabilities, chronic illness and birth defects. Service coordination is essential for people with complex conditions and needs. SHCN administers multiple programs and initiatives including: the Children and Youth with Special Health Care Needs Program (CYSHCNP), Healthy Children and Youth Program (HCY), Physical Disabilities Waiver Program (PDW), Adult Head Injury Program (AHI), Missouri Head Injury Advisory Council (MHIAC), and the Family Partnership. In addition, SHCN participates in a number of other initiatives, including the Missouri Assistive Technology Council, the Planning Council for Developmental Disabilities, and the Missouri Commission on Autism Spectrum Disorders.

Block Grant Funds

2. Federal Allocation (Line 1, Form 2)	\$ 13,236,586
3. Unobligated balance (Line 2, Form 2)	\$ 0
4. State Funds (Line 3, Form 2)	\$ 12,036,562
5. Local MCH Funds (Line 4, Form 2)	\$ 0
6. Other Funds (Line 5, Form 2)	\$ 4,000
7. Program Income (Line 6, Form 2)	\$ 0
8. Total Federal-State Partnership (Line 8, Form 2)	\$ 25,277,148

9. Most significant providers receiving MCH funds:

Local Public Health Agencies

Home Visiting Agencies

Genetic Tertiary Centers

CYSHCNP Service Coordination Contracts

10. Individuals served by the Title V Program (Col. A, Form 7)

a. Pregnant Women	44,243
b. Infants < 1 year old	78,881
c. Children 1 to 22 years old	422,500
d. CSHCN	3,872
e. Others	21,775

11. Statewide Initiatives and Partnerships:

a. Direct Medical Care and Enabling Services:
(max 2500 characters)

Direct and enabling services either partially or completely funded and/or coordinated by Title V included: Fluoride Varnish Applications: Over 35,000 children were provided fluoride varnish application during the 2008-2009 school year. Assistive Technology Contracts: The SHCN Assistive Technology contract improved access and independence of children and youth with special health care needs. In FY2009, 38 projects were completed for 37 individuals/families including: ramps, bathroom modifications, vehicle modifications, stair lifts, and hearing/FM systems. Children with Special Health Care Needs Program Contracts: Services include specialty and sub-specialty care on an outpatient or in-patient basis, medication, lab, x-ray, therapies and surgical care. Service Coordination: Special Health Care Needs (SHCN) provided service coordination for program participants/families. Service Coordinators completed Service Coordination Assessments (SCA), Service Plans and Transition Plans through collaboration with participants/families. Home Visiting Programs: The Building Blocks of Missouri (Missouri's Nurse Family Partnership) Nurse Home Visiting Program and the Missouri Community-Based Home Visiting Program provided services to pregnant women and children regarding healthy behaviors and referrals for needed care.

b. Population-Based Services:
(max 2500 characters)

Population-based services either partially or completely funded and/or coordinated by Title V included: Local Public Health Agency Contracts: The MCH program provides funding through contracts with the local public health agencies (LPHAs) to deliver maternal and child health related programs and services to improve the health of families within their jurisdictional area. LPHAs across the state work collaboratively with the local Family Support Division offices, schools, child care providers, WIC, community organizations, private physicians, and others. School Health Services: The Missouri School-Age Children's Health Services program provides funding to districts with "highest need and least ability to afford" as demonstrated by level of children living in poverty and availability of school nurses. Prior to implementation of this program, 268 (50%) public schools were without routine health services. In 2010, six small rural school districts representing less than 500 children are without services. The local programs are advised by School Health Advisory Committees, composed of community members, health professionals, local public health staff, parents, and school staff. Newborn Blood Spot Screening: Missouri has met the goal of screening for all 29 core conditions (including hearing) recommended by the American College of Medical Genetics, the March of Dimes and the Missouri Genetic Advisory Committee. When considering secondary conditions, a total of 67 disorders can now be detected through Missouri's newborn screening program. The Missouri Newborn Hearing Screening Program (MNHSP): MNHSP collaborated with Missouri State University (MSU) to design and implement the MOHear Program consisting of: 1) service coordination for families of newborns diagnosed with severe to profound permanent hearing loss and 2) hearing rescreening for infants who failed or missed the initial hearing screening.

c. Infrastructure Building Services:

(max 2500 characters)

Early Childhood Comprehensive Systems (ECCS): The ECCS grant resides within the Title V agency in Missouri. The focus is a statewide early childhood comprehensive system that supports families and communities in their development of children that are healthy and ready to learn at school entry. Serving as the guiding body is the ECCS Steering Team which includes representatives of DHSS, Department of Social Services, Department of Elementary and Secondary Education, Department of Mental Health, Head Start Collaboration Office, Children's Trust Fund, and the United Way among others. Infant Mortality Task Force: In January 2010, the Section for Healthy Families and Youth convened the Infant Mortality Task Force to examine current activities forced on infant mortality and look for ways to collaborate on reducing infant mortality in Missouri. Currently, the task force is comprised of representatives from the Section for Healthy Families and Youth; Bureau of Genetics and Healthy Childhood (GHC); Office of Minority Health (OMH); Office on Women's Health; Office Primary Care and Rural Health; Bureau of HIV, STD, and Hepatitis; and the Office of Epidemiology.

12. The primary Title V Program contact person:

Name	Melinda Sanders, MSN, RN
Title	Title V Director
Address	DCPH, MO Dept of Health and Senior Services
City	Jefferson City
State	Missouri
Zip	65109
Phone	573-751-6253
Fax	573-751-6185
Email	Melinda.Sanders@dhss.mo.gov
Web	

13. The children with special health care needs (CSHCN) contact person:

Name	Gary Harbison
Title	SHCN Director
Address	SHCN, DCPH, MO Dept of Health and Senior Services
City	Jefferson City
State	Missouri
Zip	65109
Phone	573-751-6246
Fax	573-751-6237
Email	Gary.Harbison@dhss.mo.gov
Web	

FORM NOTES FOR FORM 10

None

FIELD LEVEL NOTES

None

FORM 11
TRACKING PERFORMANCE MEASURES
[SECS 485 (2)(2)(B)(iii) AND 486 (A)(2)(A)(iii)]
STATE: MO

Form Level Notes for Form 11

None

PERFORMANCE MEASURE # 01

The percent of screen positive newborns who received timely follow up to definitive diagnosis and clinical management for condition(s) mandated by their State-sponsored newborn screening programs.

Annual Objective and Performance Data					
	2005	2006	2007	2008	2009
Annual Performance Objective	100	100	100	100	100
Annual Indicator	92.4	99.2	96.2	98.6	100.0
Numerator	85	127	101	139	165
Denominator	92	128	105	141	165
Data Source				DHSS Bureau of Genetics and Healthy Childhood.	DHSS Bureau of Genetics and Healthy Childhood.
Check this box if you cannot report the numerator because 1. There are fewer than 5 events over the last year, and 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied. (Explain data in a year note. See Guidance, Appendix IX.)					
Is the Data Provisional or Final?				Final	Final

Annual Objective and Performance Data					
	2010	2011	2012	2013	2014
Annual Performance Objective	100	100	100	100	100
Annual Indicator					
Numerator					
Denominator					

Field Level Notes

- Section Number:** Form11_Performance Measure #1
Field Name: PM01
Row Name:
Column Name:
Year: 2009
Field Note:
 Source: MO DHSS Bureau of Genetics and Healthy Childhood. Final calendar year.
- Section Number:** Form11_Performance Measure #1
Field Name: PM01
Row Name:
Column Name:
Year: 2008
Field Note:
 Source: MO DHSS Bureau of Genetics and Healthy Childhood. Fatty Acid disorder infant who had a positive newborn screen for MCAD died from complications to MCAD soon after confirmation.
- Section Number:** Form11_Performance Measure #1
Field Name: PM01
Row Name:
Column Name:
Year: 2007
Field Note:
 Decreasing percentages since 2005 are partially attributed to the increased number of conditions screened and the complexity of the follow up testing that leads to diagnosis which may require several months for completion.

PERFORMANCE MEASURE # 02

The percent of children with special health care needs age 0 to 18 years whose families partner in decision making at all levels and are satisfied with the services they receive. (CSHCN survey)

Annual Objective and Performance Data					
	2005	2006	2007	2008	2009
Annual Performance Objective	64.1	57.2	57.2	64.5	64.7
Annual Indicator	64.1	64.1	64.1	64.1	64.1
Numerator					
Denominator					
Data Source				National Survey of CSHCN	National Survey of CSHCN
Check this box if you cannot report the numerator because 1. There are fewer than 5 events over the last year, and 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied. (Explain data in a year note. See Guidance, Appendix IX.)					
Is the Data Provisional or Final?				Provisional	Provisional

Annual Objective and Performance Data					
	2010	2011	2012	2013	2014
Annual Performance Objective	64.9	65.1	65.3	65.5	65.7
Annual Indicator					
Numerator					
Denominator					

Field Level Notes**1. Section Number:** Form11_Performance Measure #2**Field Name:** PM02**Row Name:****Column Name:****Year:** 2009**Field Note:**

Indicator data comes from the National Survey of CSHCN conducted by HRSA and CDC, 2005-2006. The next National Survey of CSHCN 2010 data release is Fall of 2011.

The 2005-2006 percentage 64.1% in Missouri was close to the 90th percentile state level of 64.2% and significantly higher than the national figure of 57.4%.

Trend analysis cannot be done until future data becomes available. An annual increase of 0.2% was chosen to create 2010-2014 objectives, based on past performance 2001 and 2005-2006, comparisons to other states, and discussions with the Bureau of Special Health Care Needs, MO DHSS.

2. Section Number: Form11_Performance Measure #2**Field Name:** PM02**Row Name:****Column Name:****Year:** 2008**Field Note:**

Indicator data comes from the National Survey of CSHCN conducted by HRSA and CDC, 2005-2006. The next National Survey of CSHCN 2010 data release is fall of 2011.

The 2005-2006 percentage 64.1% in Missouri was close to the 90th percentile state level of 64.2% and significantly higher than the national figure of 57.4%.

Trend analysis cannot be done until future data becomes available. An annual increase of 0.2% was chosen to create 2009-2013 objectives, based on past performance 2001 and 2005-2006, comparisons to other states, and discussions with the Bureau of Special Health Care Needs, MO DHSS.

3. Section Number: Form11_Performance Measure #2**Field Name:** PM02**Row Name:****Column Name:****Year:** 2007**Field Note:**

Indicator data comes from the National Survey of CSHCN, conducted by HRSA and CDC, 2005-2006. The same questions were used to generate the NPM02 indicator for both the 2001 and the 2005-2006 CSHCN survey, and data were comparable across the two time periods

Only two points of data are available, which prevent capacity of performing trend analysis. The 2005-2006 percentage in Missouri (64.1%) was close to the 90th percentile state level of 64.2%. An annual increase of 0.2% was chosen starting from 2006 to create 2008-2012 objectives, based on past performance 2001 and 2005-2006, comparisons to other states, and discussions with the Bureau of Special Health Care Needs, MO DHSS.

PERFORMANCE MEASURE # 03

The percent of children with special health care needs age 0 to 18 who receive coordinated, ongoing, comprehensive care within a medical home. (CSHCN Survey)

<u>Annual Objective and Performance Data</u>					
	2005	2006	2007	2008	2009
Annual Performance Objective	59.6	60.6	61.6	52.2	52.4
Annual Indicator	51.8	51.8	51.8	51.8	51.8
Numerator					
Denominator					
Data Source				National Survey of CSHCN	National Survey of CSHCN
Check this box if you cannot report the numerator because 1. There are fewer than 5 events over the last year, and 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied. <i>(Explain data in a year note. See Guidance, Appendix IX.)</i>					
Is the Data Provisional or Final?				Provisional	Provisional

<u>Annual Objective and Performance Data</u>					
	2010	2011	2012	2013	2014
Annual Performance Objective	52.6	52.8	53	53.2	53.4
Annual Indicator					
Numerator					
Denominator					

Field Level Notes**1. Section Number:** Form11_Performance Measure #3**Field Name:** PM03**Row Name:****Column Name:****Year:** 2009**Field Note:**

Indicator data comes from the National Survey of CSHCN conducted by HRSA and CDC, 2005-2006. The next National Survey of CSHCN 2010 data release is fall of 2011.

The 2005-2006 percentage 51.8% in Missouri was close to the 75th percentile state level and significantly higher than the national figure of 47.1%

Trend analysis cannot be done until future data becomes available. An annual increase of 0.2% was chosen to create 2010-2014 objectives, based on data 2005-2006, comparisons to other states, and discussions with the Bureau of Special Health Care Needs, MO DHSS.

2. Section Number: Form11_Performance Measure #3**Field Name:** PM03**Row Name:****Column Name:****Year:** 2008**Field Note:**

Indicator data comes from the National Survey of CSHCN conducted by HRSA and CDC, 2005-2006. The next National Survey of CSHCN 2010 data release is fall of 2011.

The 2005-2006 percentage 51.8% in Missouri was close to the 75th percentile state level and significantly higher than the national figure of 47.1%

Trend analysis cannot be done until future data becomes available. An annual increase of 0.2% was chosen to create 2009-2013 objectives, based on data 2005-2006, comparisons to other states, and discussions with the Bureau of Special Health Care Needs, MO DHSS.

3. Section Number: Form11_Performance Measure #3**Field Name:** PM03**Row Name:****Column Name:****Year:** 2007**Field Note:**

Indicator data comes from the National Survey of CSHCN, conducted by HRSA and CDC, 2005-2006. Compared to the 2001 CSHCN survey, there were wording changes, skip pattern revisions and additions to the questions used to generate the NPM03 indicator for the 2005-2006 CSHCN survey. The data for the two surveys are not comparable for PM #03.

Trend analysis cannot be conducted until we have future data available. The 2005-2006 percentage in Missouri (51.8%) was close to the 75th percentile state level of 51.6%. An annual increase of 0.2% was chosen starting from 2006 to create 2008-2012 objectives, based on comparisons to other states, and discussions with the Bureau of Special Health Care Needs, MO DHSS.

PERFORMANCE MEASURE # 04

The percent of children with special health care needs age 0 to 18 whose families have adequate private and/or public insurance to pay for the services they need. (CSHCN Survey)

Annual Objective and Performance Data					
	2005	2006	2007	2008	2009
Annual Performance Objective	67.8	68.4	69	64.8	64.8
Annual Indicator	64.8	64.8	64.8	64.8	64.8
Numerator					
Denominator					
Data Source				National Survey of CSHCN	National Survey of CSHCN
Check this box if you cannot report the numerator because 1. There are fewer than 5 events over the last year, and 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied. (Explain data in a year note. See Guidance, Appendix IX.)					
Is the Data Provisional or Final?				Provisional	Provisional

Annual Objective and Performance Data					
	2010	2011	2012	2013	2014
Annual Performance Objective	64.9	65	65.1	65.2	65.3
Annual Indicator					
Numerator					
Denominator					

Field Level Notes**1. Section Number:** Form11_Performance Measure #4**Field Name:** PM04**Row Name:****Column Name:****Year:** 2009**Field Note:**

Indicator data comes from the National Survey of CSHCN conducted by HRSA and CDC, 2005-2006. The next National Survey of CSHCN 2010 data release is Fall of 2011.

The percentage in Missouri in 2005-2006 (64.8%) was at the 65th percentile state level and slightly higher than the national level of 62%. Although there was a slight decrease in the measure from 2001 to 2005-06 in MO, the decrease was not statistically significant.

Trend analysis cannot be done until future data becomes available. With consideration of the economic environment and potential policy changes, it is difficult to make predictions on this measure. 2010-2014 objectives were based on data 2005-2006 and 2001, comparisons to other states, and discussions with the Bureau of Special Health Care Needs, MO DHSS.

2. Section Number: Form11_Performance Measure #4**Field Name:** PM04**Row Name:****Column Name:****Year:** 2008**Field Note:**

Indicator data comes from the National Survey of CSHCN conducted by HRSA and CDC, 2005-2006. The next National Survey of CSHCN 2010 data release is Fall of 2011.

The percentage in Missouri in 2005-2006 (64.8%) was at the 65th percentile state level and slightly higher than the national level of 62%. Although there was a slight decrease in the measure from 2001 to 2005-06 in MO, the decrease was not statistically significant.

Trend analysis cannot be done until future data becomes available. With consideration of the economic environment and potential policy changes, it is difficult to make predictions on this measure. 2009-2013 objectives were based on data 2005-2006 and 2001, comparisons to other states, and discussions with the Bureau of Special Health Care Needs, MO DHSS.

3. Section Number: Form11_Performance Measure #4**Field Name:** PM04**Row Name:****Column Name:****Year:** 2007**Field Note:**

Indicator data comes from the National Survey of CSHCN, conducted by HRSA and CDC, 2005-2006. The same questions were used to generate the NPM04 indicator for both the 2001 and the 2005-2006 CSHCN survey, and the data were comparable across the two time periods.

Only two points of data are available, which prevent capacity of performing trend analysis. The 2005-06 percentage in Missouri (64.8%) was at the 65th percentile state level. In light of potential changes in policy and other environmental factors, it is difficult to make predictions on this measure. 2008-2012 objectives were chosen, based on comparisons to other states, and discussions with the Bureau of Special Health Care Needs, MO DHSS.

PERFORMANCE MEASURE # 05

Percent of children with special health care needs age 0 to 18 whose families report the community-based service systems are organized so they can use them easily. (CSHCN Survey)

Annual Objective and Performance Data					
	2005	2006	2007	2008	2009
Annual Performance Objective	80	81.6	83.2	90.5	90.7
Annual Indicator	90.1	90.1	90.1	90.1	90.1
Numerator					
Denominator					
Data Source				National Survey of CSHCN	National Survey of CSHCN
Check this box if you cannot report the numerator because 1. There are fewer than 5 events over the last year, and 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied. (Explain data in a year note. See Guidance, Appendix IX.)					
Is the Data Provisional or Final?				Provisional	Provisional

Annual Objective and Performance Data					
	2010	2011	2012	2013	2014
Annual Performance Objective	90.9	91.1	91.3	91.5	91.7
Annual Indicator					
Numerator					
Denominator					

Field Level Notes**1. Section Number:** Form11_Performance Measure #5**Field Name:** PM05**Row Name:****Column Name:****Year:** 2009**Field Note:**

Indicator data comes from the National Survey of CSHCN conducted by HRSA and CDC, 2005-2006. The next National Survey of CSHCN 2010 data release is Fall of 2011.

The percentage in Missouri in 2005-2006 (90.1%) was close to the 75th percentile state level and slightly higher than the national level of 89.1%.

Trend analysis cannot be done until future data becomes available. An annual increase of 0.2% was chosen to create 2010-2014 objectives, based on data 2005-2006, comparisons to other states, and discussions with the Bureau of Special Health Care Needs, MO DHSS.

2. Section Number: Form11_Performance Measure #5**Field Name:** PM05**Row Name:****Column Name:****Year:** 2008**Field Note:**

Indicator data comes from the National Survey of CSHCN conducted by HRSA and CDC, 2005-2006. The next National Survey of CSHCN 2010 data release is Fall of 2011.

The percentage in Missouri in 2005-2006 (90.1%) was close to the 75th percentile state level, and slightly higher than the national level of 89.1%.

Trend analysis cannot be done until future data becomes available. An annual increase of 0.2% was chosen to create 2009-2013 objectives, based on data 2005-2006, comparisons to other states, and discussions with the Bureau of Special Health Care Needs, MO DHSS.

3. Section Number: Form11_Performance Measure #5**Field Name:** PM05**Row Name:****Column Name:****Year:** 2007**Field Note:**

Indicator data comes from the National Survey of CSHCN, conducted by HRSA and CDC, 2005-2006. Compared to the 2001 CSHCN survey, there were revisions to the wording, ordering and the number of the questions used to generate the NPM05 indicator for the 2005-2006 CSHCN survey. The data for the two surveys are not comparable for PM #05.

Trend analysis cannot be conducted until we have future data available. The 2005-06 percentage in Missouri (90.1%) was close to the 75th percentile state level of 90.8%. An annual increase of 0.2% was chosen starting from 2006 to create 2008-2012 objectives, based on comparisons to other states, and discussions with the Bureau of Special Health Care Needs, MO DHSS.

PERFORMANCE MEASURE # 06

The percentage of youth with special health care needs who received the services necessary to make transitions to all aspects of adult life, including adult health care, work, and independence.

Annual Objective and Performance Data					
	2005	2006	2007	2008	2009
Annual Performance Objective	6	6.5	7	54.4	54.4
Annual Indicator	54.4	54.4	54.4	54.4	54.4
Numerator					
Denominator					
Data Source				National Survey of CSHCN	National Survey of CSHCN
Check this box if you cannot report the numerator because 1. There are fewer than 5 events over the last year, and 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied. (Explain data in a year note. See Guidance, Appendix IX.)					
Is the Data Provisional or Final?				Provisional	Provisional

Annual Objective and Performance Data					
	2010	2011	2012	2013	2014
Annual Performance Objective	54.5	54.6	54.7	54.8	54.9
Annual Indicator					
Numerator					
Denominator					

Field Level Notes**1. Section Number:** Form11_Performance Measure #6**Field Name:** PM06**Row Name:****Column Name:****Year:** 2009**Field Note:**

Indicator data comes from the National Survey of CSHCN conducted by HRSA and CDC, 2005-2006. The next National Survey of CSHCN 2010 data release is Fall of 2011.

Missouri had the highest percentage of receiving services for transition to adulthood among all states in 2005-2006 (54.4%, MO vs. 41.2%, US).

Trend analysis cannot be done until future data becomes available. 2010-2014 objectives were chosen, based on data 2005-2006, comparisons to other states, and discussions with the Bureau of Special Health Care Needs, MO DHSS.

2. Section Number: Form11_Performance Measure #6**Field Name:** PM06**Row Name:****Column Name:****Year:** 2008**Field Note:**

Indicator data comes from the National Survey of CSHCN conducted by HRSA and CDC, 2005-2006. The next National Survey of CSHCN 2010 data release is Fall of 2011.

Missouri had the highest percentage of receiving services for transition to adulthood among all states in 2005-2006 (54.4%, MO vs. 41.2%, US).

Trend analysis cannot be done until future data becomes available. 2009-2013 objectives were chosen, based on data 2005-2006, comparisons to other states, and discussions with the Bureau of Special Health Care Needs, MO DHSS.

3. Section Number: Form11_Performance Measure #6**Field Name:** PM06**Row Name:****Column Name:****Year:** 2007**Field Note:**

Indicator data comes from the National Survey of CSHCN, conducted by HRSA and CDC, 2005-2006. Compared to the 2001 CSHCN survey, there were wording changes, skip pattern revisions, and additions to the questions used to generate the NPM06 indicator for the 2005-2006 CSHCN survey. There were also issues around the reliability of the 2001 data because of the sample size. The data for the two surveys are not comparable for PM #06 and the 2005-2006 may be considered baseline data.

Trend analysis cannot be conducted until we have future data available. Missouri had the highest percentage in this measure among all states in 2005-2006. 2008-2012 objectives were chosen, based on comparisons to other states, and discussions with the Bureau of Special Health Care Needs, MO DHSS.

PERFORMANCE MEASURE # 07

Percent of 19 to 35 month olds who have received full schedule of age appropriate immunizations against Measles, Mumps, Rubella, Polio, Diphtheria, Tetanus, Pertussis, Haemophilus Influenza, and Hepatitis B.

Annual Objective and Performance Data					
	2005	2006	2007	2008	2009
Annual Performance Objective	81.6	85.2	82.3	82.9	80.4
Annual Indicator	79.3	79.7	82.1	74.0	71.8
Numerator	61,029	61,934	64,487	60,201	58,792
Denominator	76,960	77,709	78,547	81,353	81,883
Data Source				National Immunization Survey	National Immunization Survey
Check this box if you cannot report the numerator because 1. There are fewer than 5 events over the last year, and 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied. <i>(Explain data in a year note. See Guidance, Appendix IX.)</i>					
Is the Data Provisional or Final?				Final	Final

Annual Objective and Performance Data					
	2010	2011	2012	2013	2014
Annual Performance Objective	72.3	72.8	73.3	73.8	74.3
Annual Indicator					
Numerator					
Denominator					

Field Level Notes**1. Section Number:** Form11_Performance Measure #7**Field Name:** PM07**Row Name:****Column Name:****Year:** 2009**Field Note:**

Data is for the 4:3:1:3:3 Series, US, National Immunization Survey, Q3/2008-Q2/2009. Population of infants <1 year of age in 2007 used as denominator estimate of 19-35 month olds in 2009.

Population Source: DHSS Missouri Information for Community Assessment (MICA)-Population.

Both MO and the nation have seen a decrease in the rate of childhood vaccination coverage for two consecutive years 2008-2009. Prior to 2008, MO's rates were generally comparable with the national rates; MO's rates had tended to be lower than the national rates since 2008 though the difference was not statistically significant.

The MO DHSS Immunization Program has been adding more health care providers to the Vaccines for Children program. However, many private health care providers have declined carrying vaccines in their practice due to cost and they refer these patients to local public health agencies, community health centers, etc.

The Hib vaccine supply has been re-established and health care providers are able to re-call children to receive their full immunization. However, it is harder to accomplish the re-call for immunization than taking advantage of an already scheduled visit during which time the vaccine would have been provided.

An annual increase of 0.5% was set up for objectives 2010-2014, based on discussions with the MO DHSS Immunization Program.

2. Section Number: Form11_Performance Measure #7**Field Name:** PM07**Row Name:****Column Name:****Year:** 2008**Field Note:**

Source: Data is the 4:3:1:3:3 Series (4 DTP, 3 Polio, 1 MMR, 3 Hib, 3 HepB)

CDC National Immunization Survey, Q3/2007-Q2/2008. July 2007-June 2008. Population of infants < 1 year of age in 2006 as denominator estimate of 19-35 months old in 2008.

The immunization rate among children in Missouri had been gradually rising from 72.1% in 1999 to 82.1% in 2007, and comparable with the national figure. The percentage in Missouri in 2008 was lower than that in 2007 and the national estimate in 2008, though the difference was not statistically significant.

MO encountered shortages and delays in Hib vaccine in 2008, which is expected to be resolved in 2009. Some private providers have either discontinued participation in the Vaccines for Children Program or stopped carrying vaccines altogether.

Considering the overall increasing trend in the past 10 years and possible data fluctuation, it is too early to tell the drop in 2008 is a start of decline. Objectives 2009-2013 were based on a combination of trend analyses on data 1999-2008 and discussions with the DHSS Immunization Program.

3. Section Number: Form11_Performance Measure #7**Field Name:** PM07**Row Name:****Column Name:****Year:** 2007**Field Note:**

Data is for the 4:3:1:3:3 Series, US, National Immunization Survey, Q3/2006-Q2/2007. Population of infants <1 year of age in 2005 used as denominator estimate of 19-35 month olds in 2007.

2008-2012 objectives are based on trend analysis on data 1998-2007, and discussions with the immunization program, MO DHSS.

PERFORMANCE MEASURE # 08

The rate of birth (per 1,000) for teenagers aged 15 through 17 years.

Annual Objective and Performance Data					
	2005	2006	2007	2008	2009
Annual Performance Objective	19.6	18.4	17.2	21.4	21
Annual Indicator	20.8	22.6	21.4	21.6	19.2
Numerator	2,555	2,828	2,685	2,662	2,368
Denominator	123,065	124,936	125,231	123,266	123,266
Data Source				MO DHSS. Vital Statistics	MO DHSS. Vital Statistics
Check this box if you cannot report the numerator because 1. There are fewer than 5 events over the last year, and 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied. (Explain data in a year note. See Guidance, Appendix IX.)					
Is the Data Provisional or Final?				Final	Provisional

Annual Objective and Performance Data					
	2010	2011	2012	2013	2014
Annual Performance Objective	19.2	18.9	18.4	17.9	17.4
Annual Indicator					
Numerator					
Denominator					

Field Level Notes**1. Section Number:** Form11_Performance Measure #8

Field Name: PM08

Row Name:

Column Name:

Year: 2009

Field Note:

Source: Missouri Information for Community Assessment (MICA)-Births, DHSS Vital Statistics, MICA-Population. Numerator is provisional 2009 birth number to women age 15-17 years as of April 2010. Final data will be available November 2010. Denominator is 2008 population number being used as proxy for 2009. Final population data will be available November 2010.

Numerator and denominator for 2008 are updated with 2008 final birth number and 2008 population estimate respectively.

The birth rate among girls 15-17 years of age in MO was 19.2 per 1,000 in 2009 (provisional), which decreased by 11.1% compared with the rate in 2008 (21.6 per 1,000).

The Adolescent Health Program, MO DHSS is in the process of applying for several federal funded teen pregnancy prevention grants. Other organizations across the state are also planning for applying grants that support evidence-based teen pregnancy prevention initiatives and strategies to reach teens. Considering these efforts, MO expects to see a gradual decrease in teen birth rate in the next few years especially since the implementation of the potential programs in 2011.

2. Section Number: Form11_Performance Measure #8

Field Name: PM08

Row Name:

Column Name:

Year: 2008

Field Note:

Source: Missouri Information for Community Assessment (MICA)-Births, DHSS Vital Statistics, MICA-Population. Numerator is provisional 2008 birth number to women age 15-17 years as April 2009. Final data will be available October 2009. Denominator is 2007 population number being used as proxy for 2008. Final population data will be available November 2009.

The increase in teen birth rate observed in both Missouri and the U.S. in 2006 did not continue in Missouri. Missouri had seen decline for two consecutive years 2007 and 2008 since 2006, and the decrease was across white, African-American, and Hispanic groups. The 2008 provisional teen birth rate in MO was highest in Hispanics (49.4 per 1,000), followed by African-Americans (41.4 per 1,000) and whites (17.2 per 1,000). An annual decrease of 0.2 per 1,000 was chosen to create 2009-2013 targets, based on data in the past two years, and discussions with the DHSS Section of Healthy Families and Youth.

3. Section Number: Form11_Performance Measure #8

Field Name: PM08

Row Name:

Column Name:

Year: 2007

Field Note:

Source: Missouri Information for Community Assessment (MICA) Birth, MICA Population, and Bureau of Health Informatics, MO DHSS. 2007 provisional data as of April 28, 2008. 2007 final data of birth file will be available in October, 2008. 2007 denominator of population estimate for females 15-17 years of age is not available yet, and 2006 population estimate is used as a proxy for 2007. 2007 population estimate will be available in November, 2008.

An annual decrease of 0.2 per 1,000 was set to create future objectives 2008-2012, with considerations of trend analyses on past performance 1998-2007, as well as the fact the teen birth rate rose in 2006 for the first time in the past 15 years in both Missouri and the nation.

PERFORMANCE MEASURE # 09

Percent of third grade children who have received protective sealants on at least one permanent molar tooth.

<u>Annual Objective and Performance Data</u>					
	2005	2006	2007	2008	2009
Annual Performance Objective	14	30	35	31.6	32.6
Annual Indicator	28.6	28.6	28.6	28.6	24.4
Numerator	18,686	18,795	19,355	19,252	16,675
Denominator	65,337	65,718	67,677	67,314	68,340
Data Source				Missouri Oral Health Survey	Missouri Oral Health Survey
Check this box if you cannot report the numerator because 1. There are fewer than 5 events over the last year, and 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied. (Explain data in a year note. See Guidance, Appendix IX.)					
Is the Data Provisional or Final?				Final	Final

<u>Annual Objective and Performance Data</u>					
	2010	2011	2012	2013	2014
Annual Performance Objective	29.1	29.2	29.3	29.4	29.5
Annual Indicator					
Numerator					
Denominator					

Field Level Notes**1. Section Number:** Form11_Performance Measure #9**Field Name:** PM09**Row Name:****Column Name:****Year:** 2009**Field Note:**

Source: Missouri Oral Health Survey 2009-2010. Denominator is 3rd grade Fall enrollment figure for 2008-2009 school year, from the Missouri Dept of Elementary & Secondary Education. Numerator is estimated based on the 2009-2010 percentage.

The Missouri Oral Health Survey 2009-2010 encountered low rate of school participation due to the H1N1 flu severely impacting school attendance. A convenience sample of 15 schools participating in the Missouri oral health program were added to the sampling frame. Therefore, the 2009-2010 data may not be generalizable to all third grade children in Missouri.

There has been a decrease in school based dental sealant programs in Missouri because of funding constraints. A slight increase of 0.1% per year based on 2005 data was chosen to create future objectives for 2010-2014, with consideration of both past performance and discussions with the DHSS Oral Health Program.

2. Section Number: Form11_Performance Measure #9**Field Name:** PM09**Row Name:****Column Name:****Year:** 2008**Field Note:**

Source: Missouri Oral Health Survey conducted every five years. The most recent data from the 2005 Missouri Oral Health Survey is used as proxy for 2008. Denominator is 3rd grade Fall enrollment figure for 2007-2008 school year, from the Missouri Dept of Elementary & Secondary Education. Numerator is estimated based on the 2005 percentage.

An annual increase of 1% starting from 2005 was chosen to create future objectives for 2009-2013, with consideration of both past performance and discussions with the DHSS Oral Health Program.

3. Section Number: Form11_Performance Measure #9**Field Name:** PM09**Row Name:****Column Name:****Year:** 2007**Field Note:**

Missouri Oral Health Survey was conducted every five years. The most recent data from the 2005 Missouri Oral Health Survey is used as proxy for 2007. Denominator is 3rd grade Fall enrollment figure for 2006-2007 school year. Numerator is estimated based on the 2005 percent.

An annual increase of 1% starting from 2005 was chosen to create future objectives for 2008-2012, with consideration of both past performance and discussions with staff from the Oral Health Program, Missouri Department of Health and Senior Services.

PERFORMANCE MEASURE # 10

The rate of deaths to children aged 14 years and younger caused by motor vehicle crashes per 100,000 children.

	<u>Annual Objective and Performance Data</u>				
	2005	2006	2007	2008	2009
Annual Performance Objective	<u>3.3</u>	<u>3.7</u>	<u>3.5</u>	<u>3.5</u>	<u>3.1</u>
Annual Indicator	<u>3.7</u>	<u>3.6</u>	<u>3.6</u>	<u>3.1</u>	<u>2.7</u>
Numerator	<u>43</u>	<u>42</u>	<u>42</u>	<u>36</u>	<u>32</u>
Denominator	<u>1,162,408</u>	<u>1,161,417</u>	<u>1,169,228</u>	<u>1,170,036</u>	<u>1,170,036</u>
Data Source				MO DHSS. Vital Statistics	MO DHSS. Vital Statistics
Check this box if you cannot report the numerator because 1. There are fewer than 5 events over the last year, and 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied. <i>(Explain data in a year note. See Guidance, Appendix IX.)</i>					
Is the Data Provisional or Final?				Final	Provisional

	<u>Annual Objective and Performance Data</u>				
	2010	2011	2012	2013	2014
Annual Performance Objective	<u>2.7</u>	<u>2.6</u>	<u>2.6</u>	<u>2.5</u>	<u>2.5</u>
Annual Indicator					
Numerator					
Denominator					

Field Level Notes**1. Section Number:** Form11_Performance Measure #10**Field Name:** PM10**Row Name:****Column Name:****Year:** 2009**Field Note:**

Source: Missouri Information for Community Assessment (MICA) - Death, Missouri Vital Statistics, MO DHSS. 2009 provisional death data as of April 2010. 2009 final death data will be available in November 2010. 2008 population estimate is used as a proxy for 2009. The 2009 population estimate for specific age groups will be available in November 2010.

Numerator and denominator for 2008 are updated with 2008 final death number and 2008 population estimate.

The death rate due to MVC among children under 15 in MO further decreased from 3.1 in 2008 to 2.7 per 100,000 in 2009 (provisional), though the decrease was not statistically significant. A gradual decrease of 0.1 per 100,000 for every two years was chosen to create objectives 2010-2014, based on a combination of trend analysis on data 1999-2009, and discussions with the Section of Healthy Families and Youth, MO DHSS.

2. Section Number: Form11_Performance Measure #10**Field Name:** PM10**Row Name:****Column Name:****Year:** 2008**Field Note:**

Source: Missouri Information for Community Assessment (MICA) Death, Missouri Vital Statistics, Bureau of Health Informatics, MO DHSS. 2008 provisional death data as of April 2009. 2008 final death data will be available in November 2009. 2008 denominator of population estimate under 15 years of age is not available yet, and 2007 population estimate is used as a proxy for 2008. 2008 population estimate for specific age groups will be available in November 2009.

The death rate due to MVC among children under 15 in MO decreased from 3.6 in 2007 to 3.1 per 100,000 in 2008, though the decrease was not statistically significant. A gradual decrease of 0.1 per 100,000 for every two years was chosen to create objectives 2009-2013, based on a combination of trend analysis on data 1999-2008, and discussions with the Section of Healthy Families and Youth, MO DHSS.

3. Section Number: Form11_Performance Measure #10**Field Name:** PM10**Row Name:****Column Name:****Year:** 2007**Field Note:**

Source: Missouri Information for Community Assessment (MICA) Death, and Bureau of Health Informatics, MO DHSS. 2007 provisional death data as of April 28, 2008. 2007 final death data will be available in November, 2008. 2007 denominator of population estimate under 15 years of age is not available yet, and 2006 population estimate is used as a proxy for 2007. 2007 population estimate for specific age groups will be available in November 2008.

Future objectives 2008-2012 were based on trend analysis on data 1999-2007, and discussions with the Section of Healthy Families and Youth, MO DHSS.

PERFORMANCE MEASURE # 11

The percent of mothers who breastfeed their infants at 6 months of age.

	<u>Annual Objective and Performance Data</u>				
	2005	2006	2007	2008	2009
Annual Performance Objective		32	34	34.9	35.1
Annual Indicator	29.9	34.7	30.5	33.0	38.2
Numerator	23,235	28,229	23,957	26,846	31,279
Denominator	77,709	81,353	78,547	81,353	81,883
Data Source				National Immunization Survey	National Immunization Survey
Check this box if you cannot report the numerator because 1. There are fewer than 5 events over the last year, and 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied. (Explain data in a year note. See Guidance, Appendix IX.)					
Is the Data Provisional or Final?				Final	Provisional

	<u>Annual Objective and Performance Data</u>				
	2010	2011	2012	2013	2014
Annual Performance Objective	38.4	38.6	38.8	39	39.2
Annual Indicator					
Numerator					
Denominator					

Field Level Notes**1. Section Number:** Form11_Performance Measure #11**Field Name:** PM11**Row Name:****Column Name:****Year:** 2009**Field Note:**

Breastfeeding percentage is from CDC's National Immunization Survey. 2009 provisional data (2007 birth cohort). 2009 final data will be available in fall 2011. The 2009 denominator is number of 2007 births in Missouri from DHSS Missouri Information for Community Assessment (MICA)-Births, MO Vital Statistics. 2008 data (2006 birth cohort) is updated with final number.

The percent of mothers who breastfed their infants at 6 months of age in Missouri increased from 31.8% in 2003 to 38.2% in 2009 (provisional). Objectives 2010-2014 were based on a combination of trend analysis of data 2003-2009 and discussions with the Section of Healthy Families and Youth, MO DHSS.

2. Section Number: Form11_Performance Measure #11**Field Name:** PM11**Row Name:****Column Name:****Year:** 2008**Field Note:**

Breastfeeding percentage is from CDC's National Immunization Survey. 2008 provisional data (2006 birth cohort). 2008 final data will be available in fall 2010. The 2008 denominator is number of 2006 births in Missouri from MICA-Births, MO Vital Statistics.

The percent of mothers who breastfed their infants at 6 months of age in Missouri showed a gradual increase from 2003 to 2008. Although the 2007 data showed a decrease compared with the 2006 data, the decrease was not statistically significant. Objectives 2009-2013 were based on a combination of final data 2003-2006 and discussions with the Section of Healthy Families and Youth, MO DHSS.

3. Section Number: Form11_Performance Measure #11**Field Name:** PM11**Row Name:****Column Name:****Year:** 2007**Field Note:**

Breastfeeding percentage is from CDC's National Immunization Survey. 2007 final data are not available yet, and the data collected in 2006 (2004 birth cohort) were used as proxy for 2007 data. 2007 final data will be available in August 2009. Denominator is number of live births in Missouri in 2005.

The percent of mothers who breastfed their infants at 6 months of age in Missouri showed a gradual increase from 2003 to 2006. An annual increase of 0.2% was set to create objectives 2008-2012 based on past performance and discussions with the Section of Healthy Families and Youth, MO DHSS.

PERFORMANCE MEASURE # 12

Percentage of newborns who have been screened for hearing before hospital discharge.

Annual Objective and Performance Data					
	2005	2006	2007	2008	2009
Annual Performance Objective	99	99	99	99	99
Annual Indicator	99.9	96.6	97.2	96.8	93.2
Numerator	78,487	78,576	79,580	78,375	73,265
Denominator	78,547	81,353	81,883	80,944	78,631
Data Source				Missouri Newborn Hearing Screening Program	Missouri Newborn Hearing Screening Program
Check this box if you cannot report the numerator because 1. There are fewer than 5 events over the last year, and 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied. (Explain data in a year note. See Guidance, Appendix IX.)					
Is the Data Provisional or Final?				Final	Provisional

Annual Objective and Performance Data					
	2010	2011	2012	2013	2014
Annual Performance Objective	99	99	99	99	99
Annual Indicator					
Numerator					
Denominator					

Field Level Notes**1. Section Number:** Form11_Performance Measure #12**Field Name:** PM12**Row Name:****Column Name:****Year:** 2009**Field Note:**

Source: Missouri Newborn Hearing Screening Program, DHSS Bureau of Genetics and Healthy Childhood. Final 2009 data for number screened will be available January 2011. Numerator is provisional number of newborns screened before discharge. Denominator is number of 2009 provisional live births as of April 2010 from Birth data, DHSS Vital Statistics. Final birth number for 2009 will be available November 2010.

Numerator and denominator for 2008 are updated with final 2008 data.

The difference between 2008 and 2009 stems from the lack of a specific MOHSAIC report that counted those result forms marked "screened before discharge" in 2009. To be counted, the hospital must mark the box that states "screened prior to discharge." It is possible that some programs skip that step when filling out the result form. It should be noted that 77,120 MO infants or 98.1% were screened prior to one month of age in 2009 (provisional) - the standard indicator that all state EHDl programs measure success by.

2. Section Number: Form11_Performance Measure #12**Field Name:** PM12**Row Name:****Column Name:****Year:** 2008**Field Note:**

Source: Missouri Newborn Hearing Screening Program, DHSS Bureau of Genetics and Healthy Childhood. Final 2008 data for number screened will be available January 2010. Numerator is provisional number of newborns screened before discharge. Denominator is number of 2008 provisional live births from DHSS Vital Statistics. Final birth number will be available October 2008.

3. Section Number: Form11_Performance Measure #12**Field Name:** PM12**Row Name:****Column Name:****Year:** 2007**Field Note:**

Numerator number of newborns screened before discharge in 2007 is provisional data, and final data will be available by the end of December 2008. Denominator is number of live births in Missouri in 2007 (provisional data as of June 24, 2008). 2007 final birth data will be available in October 2008.

2008-2012 performance objectives set at 99.0%. There may be annual variations in the percent of newborns who are screened (including indicators > 100.0%) since mothers delivering babies in MO or IL may have their babies screened in MO, or vice versa.

The decrease in the percent of newborns screened prior to discharge since 2006 is due to upgrades implemented in the data management system that allow the system's reports to accurately reflect the actual number of infants screened prior to discharge.

PERFORMANCE MEASURE # 13

Percent of children without health insurance.

Annual Objective and Performance Data					
	2005	2006	2007	2008	2009
Annual Performance Objective	8.1	8.2	7.9	10.5	10.4
Annual Indicator	7.7	9.1	10.4	6.8	6.8
Numerator	106,000	127,000	150,454	96,051	96,051
Denominator	1,378,232	1,398,000	1,441,898	1,413,974	1,413,974
Data Source				US Census Bureau. Current Population Survey	US Census Bureau. Current Population Survey
Check this box if you cannot report the numerator because 1. There are fewer than 5 events over the last year, and 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied. (Explain data in a year note. See Guidance, Appendix IX.)					
Is the Data Provisional or Final?				Final	Provisional
Annual Objective and Performance Data					
	2010	2011	2012	2013	2014
Annual Performance Objective	6.7	6.6	6.5	6.4	6.3
Annual Indicator					
Numerator					
Denominator					

Field Level Notes**1. Section Number:** Form11_Performance Measure #13**Field Name:** PM13**Row Name:****Column Name:****Year:** 2009**Field Note:**

Source: US Census Bureau. Current Population Survey (CPS), Annual Social & Economic Supplement (ASES), 2009. The 2009 survey reflects insurance coverage in 2008. This measure is for children <18 years of age.

Data from the CPS, ASES, 2010 will be available at the end of September 2010.

Annual indicator, numerator and denominator for 2008 are updated with 2008 insurance coverage data from the CPS, ASES, 2009

The percent of children without health insurance in Missouri showed a gradual increasing trend from 2001 to 2007. However, the percentage decreased from 10.4% in 2007 to 6.8% in 2008. A slight decrease of 0.1% per year was set up for objectives 2010-2014, with considerations of potential policy changes and discussions with the Section of Healthy Families and Youth, MO DHSS.

2. Section Number: Form11_Performance Measure #13**Field Name:** PM13**Row Name:****Column Name:****Year:** 2008**Field Note:**

Source: US Census Bureau. Current Population Survey (CPS), Annual Social & Economic Supplement (ASES), 2008. The 2008 survey reflects insurance coverage in 2007. Denominator is population estimate of persons under 18 years of age.

Data from the CPS, ASES, 2009 will be available at the end of September 2009.

The percent of children without health insurance in Missouri showed a gradual increasing trend from 2001 to 2007. In light of potential policy changes and economic factors, it is difficult to make predictions on this measure. Objectives 2009-2013 were based on discussions with the Section of Healthy Families and Youth, MO DHSS.

3. Section Number: Form11_Performance Measure #13**Field Name:** PM13**Row Name:****Column Name:****Year:** 2007**Field Note:**

Source: U.S. Census Bureau, Current Population Survey, Annual Social and Economic Supplement, 2008, Table HI05. The 2008 survey reflects insurance coverage in 2007.

The percent of children without health insurance in Missouri showed a gradual increasing trend from 2001 to 2007. In light of potential policy changes and various environmental factors, it is difficult to make predictions on this measure. Objectives 2008-2012 were set based on discussions with the Section of Healthy Families and Youth, MO DHSS.

PERFORMANCE MEASURE # 14

Percentage of children, ages 2 to 5 years, receiving WIC services with a Body Mass Index (BMI) at or above the 85th percentile.

Annual Objective and Performance Data					
	2005	2006	2007	2008	2009
Annual Performance Objective		30	30	30	30.7
Annual Indicator	30.4	30.2	30.3	30.7	30.7
Numerator	17,506	16,182	16,665	18,699	18,699
Denominator	57,587	53,585	55,001	60,908	60,908
Data Source				Pediatric Nutritional Surveillance System	Pediatric Nutritional Surveillance System
Check this box if you cannot report the numerator because 1. There are fewer than 5 events over the last year, and 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied. (Explain data in a year note. See Guidance, Appendix IX.)					
Is the Data Provisional or Final?				Final	Provisional

Annual Objective and Performance Data					
	2010	2011	2012	2013	2014
Annual Performance Objective	30.6	30.6	30.5	30.5	30.4
Annual Indicator					
Numerator					
Denominator					

Field Level Notes

1. **Section Number:** Form11_Performance Measure #14

Field Name: PM14

Row Name:

Column Name:

Year: 2009

Field Note:

Source: CDC data tables from 2008 Pediatric Nutritional Surveillance System. 2008 numbers being used as a proxy for 2009. The 2009 numbers will not be available until Fall 2010.

WIC has implemented the new WIC food package since October 2009. We anticipate a gradual decrease in the overweight rate among WIC children.

2. **Section Number:** Form11_Performance Measure #14

Field Name: PM14

Row Name:

Column Name:

Year: 2008

Field Note:

Source: CDC data tables from 2008 Pediatric Nutritional Surveillance System.

The 2008 data showed a slight increase in this measure compared with the 2007 data, though the increase was not statistically significant. Missouri WIC program has made some changes in the food package to provide healthier foods since 2002, and will implement the new WIC food package in October 2009. We expect to see a gradual decrease in the overweight rate among WIC children with our new food package and getting children more into physical activity.

3. **Section Number:** Form11_Performance Measure #14

Field Name: PM14

Row Name:

Column Name:

Year: 2007

Field Note:

Source: CDC. Data Tables of the Pediatric Nutrition Surveillance System (PedNSS), Missouri.

Although Missouri is being affected by the same social and demographic factors contributing to childhood obesity as the rest of the nation. As reducing obesity among children is a stated priority of the state, we intend to make every effort to make progress in this performance measure.

PERFORMANCE MEASURE # 15

Percentage of women who smoke in the last three months of pregnancy.

Annual Objective and Performance Data

	2005	2006	2007	2008	2009
Annual Performance Objective		17	19	19.6	18
Annual Indicator	17.7	20.4	18.4	21.4	21.4
Numerator	13,940	16,591	15,066	17,322	16,827
Denominator	78,549	81,353	81,883	80,944	78,631
Data Source				Missouri PRAMS	Missouri PRAMS
Check this box if you cannot report the numerator because					
1. There are fewer than 5 events over the last year, and					
2. The average number of events over the last 3 years is fewer					
than 5 and therefore a 3-year moving average cannot be					
applied.					
<i>(Explain data in a year note. See Guidance, Appendix IX.)</i>					
Is the Data Provisional or Final?				Final	Provisional

Annual Objective and Performance Data

	2010	2011	2012	2013	2014
Annual Performance Objective	20.5	20	19.5	19	18.5
Annual Indicator					
Numerator					
Denominator					

Field Level Notes**1. Section Number:** Form11_Performance Measure #15**Field Name:** PM15**Row Name:****Column Name:****Year:** 2009**Field Note:**

The 2009 estimated percentage of maternal smoking during the last 3 months of pregnancy is not available yet. The 2008 estimate based on the 2008 Missouri PRAMS survey response is used as proxy for 2009. 2009 PRAMS data will be available January 2011. Denominator is estimated using the number of live births in Missouri, provisional 2009, as of April 2010. 2009 final birth data will be available in November 2010. from DHSS Mo Vital Statistics.

A gradual decrease in maternal smoking rate during the last 3 months of pregnancy was set up for objectives 2010-2014, based on discussions with the Section of Healthy Families and Youth, MO DHSS.

2. Section Number: Form11_Performance Measure #15**Field Name:** PM15**Row Name:****Column Name:****Year:** 2008**Field Note:**

The 2008 estimated percentage of maternal smoking during the last 3 months of pregnancy is not available yet. The 2007 estimate based on the 2007 Missouri PRAMS survey response is used as proxy for 2008. 2008 PRAMS data will be available January 2010. Denominator is estimated using the number of live births in Missouri, provisional 2008, as of April 2009. 2008 final birth data will be available in October 2009.

A gradual decrease in this measure over the next five years 2009-2013 is expected, with considerations of a slight decrease in smoking during pregnancy for two consecutive years 2007-2008 observed from the birth file, and discussions with the Section of Healthy Families and Youth, MO DHSS.

3. Section Number: Form11_Performance Measure #15**Field Name:** PM15**Row Name:****Column Name:****Year:** 2007**Field Note:**

Missouri has participated in the Pregnancy Risk Assessment Monitoring System (PRAMS) since 2007. 2007 estimate of smoking during last 3 months of pregnancy from PRAMS is expected to be available by the end of December 2008. An estimated percent from the Missouri's pilot PRAMS survey (2005-2006 Missouri Pregnancy Related Assessment and Monitoring System, MoPRA) was used as a proxy for 2007. Denominator is estimated using the number of live births in Missouri in provisional 2007 as of April 28, 2008. 2007 final birth data will be available in October 2008.

Despite limited funding for tobacco prevention and cessation programs in Missouri, we intend to make every effort to make progress in this measure. An annual decrease of 0.4% was used to create objectives 2008-2012, with consideration of trend analysis on the measure smoking during pregnancy from the birth file and discussions with the Section of Healthy Families and Youth, MO DHSS.

UPDATE: 2007 data have been updated using the 2007 Missouri PRAMS data.

PERFORMANCE MEASURE # 16

The rate (per 100,000) of suicide deaths among youths aged 15 through 19.

<u>Annual Objective and Performance Data</u>					
	2005	2006	2007	2008	2009
Annual Performance Objective	7.9	5.9	5.3	8	9.5
Annual Indicator	6.5	8.5	8.5	11.6	8.0
Numerator	27	35	35	48	33
Denominator	416,034	412,208	414,182	412,660	412,660
Data Source				MO DHSS. Vital Statistics	MO DHSS. Vital Statistics
Check this box if you cannot report the numerator because 1. There are fewer than 5 events over the last year, and 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied. (Explain data in a year note. See Guidance, Appendix IX.)					
Is the Data Provisional or Final?				Final	Provisional

<u>Annual Objective and Performance Data</u>					
	2010	2011	2012	2013	2014
Annual Performance Objective	8	7.9	7.7	7.6	7.4
Annual Indicator					
Numerator					
Denominator					

Field Level Notes**1. Section Number:** Form11_Performance Measure #16**Field Name:** PM16**Row Name:****Column Name:****Year:** 2009**Field Note:**

Source: DHSS Vital Statistics. Numerator is provisional 2009 death number of persons age 15 through 19 years as of April 2010. Final number will be available November 2010. The 2008 population estimate of persons age 15-19 years is used as proxy for 2009. The 2009 population number will be available November 2010.

The increase in MO's teen suicide rate observed in 2008 did not continue in 2009. The teen suicide rate decreased from 11.6 per 100,000 in 2008 to 8 per 100,000 in 2009 (provisional). Objectives for 2010-2014 were based on trend analysis of data 1999-2009 and discussions with the Section of Healthy Families and Youth, MO DHSS.

2. Section Number: Form11_Performance Measure #16**Field Name:** PM16**Row Name:****Column Name:****Year:** 2008**Field Note:**

Source: DHSS Vital Statistics. Numerator is provisional death number of persons age 15 through 19 years as of April 2009. Final number will be available November 2009. The 2007 population estimate of persons age 15-19 years is used as proxy for 2008. The 2008 population number will be available November 2008.

The teen suicide death rate increased in 2008 compared with that in 2007. However, this increase was not statistically significant. The teen suicide deaths were geographically dispersed. A majority of the deaths were among ages 18-19 years, males, and whites. About half of the deaths were by discharge of firearms.

Since 2004, there has been an ongoing controversy over whether antidepressant medications might reduce or increase suicide risk in children and adolescents. There is a wide range of factors that might lead to suicide. Considering the small number of deaths and possible fluctuation for one-year data, it is too early to say this is a start of a real increase. Objectives 2009-2013 were based on the three-year (2006-2008) average rate of 9.5 per 100,000 and discussions with the Section of Healthy Families and Youth, DHSS.

3. Section Number: Form11_Performance Measure #16**Field Name:** PM16**Row Name:****Column Name:****Year:** 2007**Field Note:**

Source: Missouri Information for Community Assessment (MICA) Death, and Bureau of Health Informatics, MO DHSS. 2007 provisional death data as of April 28, 2008. 2007 final death data will be available in November 2008. 2007 denominator of population estimate 15-19 years of age is not available yet, and 2006 population estimate is used as a proxy for 2007. 2007 population estimate for specific age groups will be available in November 2008.

Future objectives 2008-2012 were based on trend analysis on data 1999-2007 and discussions with the Section of Healthy Families and Youth, MO DHSS.

PERFORMANCE MEASURE # 17

Percent of very low birth weight infants delivered at facilities for high-risk deliveries and neonates.

	<u>Annual Objective and Performance Data</u>				
	2005	2006	2007	2008	2009
Annual Performance Objective	80.2	80.6	80.9	77	78.5
Annual Indicator	77.6	73.1	76.2	81.1	78.7
Numerator	880	825	893	886	909
Denominator	1,134	1,128	1,172	1,092	1,155
Data Source				MO DHSS. Vital Statistics	MO DHSS. Vital Statistics
Check this box if you cannot report the numerator because 1. There are fewer than 5 events over the last year, and 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied. <i>(Explain data in a year note. See Guidance, Appendix IX.)</i>					
Is the Data Provisional or Final?				Final	Provisional

	<u>Annual Objective and Performance Data</u>				
	2010	2011	2012	2013	2014
Annual Performance Objective	79.2	79.7	80.2	80.7	81.2
Annual Indicator					
Numerator					
Denominator					

Field Level Notes**1. Section Number:** Form11_Performance Measure #17**Field Name:** PM17**Row Name:****Column Name:****Year:** 2009**Field Note:**

Source: DHSS Vital Statistics. Denominator is very low birth weight (VLBW) infants born to Missouri residents and delivered in Missouri, provisional data as of May 2010. Numerator is VLBW infants delivered at Level III Missouri hospitals. Final 2009 numbers will be available November 2010. Very low birth weight (VLBW) defined as less than 1500 grams birth weight.

Numerator and denominator for 2008 are updated with 2008 final data.

There are multiple factors at play in this indicator such as competitive admission practices among hospitals and inappropriate admission based on insurance status. A modest improvement of 0.5% in this measure is set up for objectives 2010-2014, based on discussions with the Bureau of Health Informatics and the Section of Healthy Families and Youth, MO DHSS.

2. Section Number: Form11_Performance Measure #17**Field Name:** PM17**Row Name:****Column Name:****Year:** 2008**Field Note:**

Source: Missouri Information of Community Assessment (MICA). DHSS Vital Statistics. Denominator is very low birth weight (VLBW) infants born to Missouri residents and delivered in Missouri, provisional data as of April 2009. Numerator is VLBW infants delivered at Level III Missouri hospitals. Final numbers will be available November 2009.

From 1990 to 2005, the percent of VLBW infants delivered at level III hospitals had fluctuated around 78%. There was a noticeable decrease from 77.6% in 2005 to 73.1% in 2006 ($p=0.01$), but the decrease did not continue in 2007. MO had seen an increase for two consecutive years 2007-2008. Several complex issues might limit improvement in this measure, including inappropriate admission based on insurance status or due to competitive admission among hospitals, and increase in Newborn Intensive Care Unit beds in both level II and III hospitals over years.

An annual increase of about 0.5% was set to create objectives for 2009-2013, based on data in the last 3 years, long-term trend in the past 10 years and discussions with the Bureau of Health Informatics and the Section of Healthy Families and Youth, MO DHSS.

3. Section Number: Form11_Performance Measure #17**Field Name:** PM17**Row Name:****Column Name:****Year:** 2007**Field Note:**

Source: Bureau of Health Informatics, DHSS. Birth Data. Denominator is the number of VLBW infants to Missouri residents delivered in Missouri; numerator is the number of VLBW infants to Missouri residents delivered in Level III hospitals in Missouri. 2007 birth data are provisional, and 2007 final birth data will be available in October 2008.

An annual increase of about 1% was set to create future objectives for 2008-2012, based on discussions with the Bureau of Health Informatics and the Section of Healthy Families and Youth, MO DHSS.

PERFORMANCE MEASURE # 18

Percent of infants born to pregnant women receiving prenatal care beginning in the first trimester.

Annual Objective and Performance Data					
	2005	2006	2007	2008	2009
Annual Performance Objective	86.8	87	87.3	84.6	84
Annual Indicator	86.0	84.7	84.1	83.8	84.2
Numerator	67,571	68,919	68,863	67,844	66,174
Denominator	78,547	81,353	81,883	80,944	78,631
Data Source				MO DHSS. Vital Statistics	MO DHSS. Vital Statistics
Check this box if you cannot report the numerator because 1. There are fewer than 5 events over the last year, and 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied. (Explain data in a year note. See Guidance, Appendix IX.)					
Is the Data Provisional or Final?				Final	Provisional

Annual Objective and Performance Data					
	2010	2011	2012	2013	2014
Annual Performance Objective	84.4	84.6	84.8	85	85.2
Annual Indicator					
Numerator					
Denominator					

Field Level Notes**1. Section Number:** Form11_Performance Measure #18**Field Name:** PM18**Row Name:****Column Name:****Year:** 2009**Field Note:**

Source: Missouri Information for Community Assessment (MICA)-Births, DHSS Vital Statistics. Provisional 2009 data as of April 2010. Final 2009 data will be available November 2010.

Numerator and denominator for 2008 are updated with 2008 final data. The proportion of early prenatal care in Missouri has been consistently above the national level. Mirroring the national trend, the percentage in this indicator in Missouri had shown a small but noticeable decline for three consecutive years 2006-08. However, MO's 2009 provisional data showed a slight increase compared with the 2008 data. Hopefully this is the start of further improvement in this measure.

An annual increase of 0.2% is used to create objectives 2010-2014, based on the general increasing trend 1990-2009 and discussions with the Section of Healthy Families and Youth, MO DHSS.

2. Section Number: Form11_Performance Measure #18**Field Name:** PM18**Row Name:****Column Name:****Year:** 2008**Field Note:**

Source: Missouri Information for Community Assessment (MICA)-Births. DHSS Vital Statistics. Provisional 2008 data as of April 2009. Final data will be available November 2009.

The proportion of early prenatal care in Missouri has been consistently above the national level. Since 2006, the percentage in Missouri had shown a small but noticeable decline and the decline had continued for three consecutive years 2006-08. The decline was slightly larger in Medicaid population than in non-Medicaid population. A similar decline had been observed in the national data in 2005 and 2006. More recent changes to welfare and Medicaid policy might limit further improvements in timely care. Some MO hospitals have shifted from using self-reported information by the mother to using electronic medical records to collect prenatal care information for the birth certificate. It was reported that there had been a decline in early prenatal care following the implementation of a revised birth certificate that uses electronic prenatal care records.

An annual increase of 0.2% is used to create objectives 2009-2013, based on general increasing trend 1990-2008 and discussions with the Section of Healthy Families and Youth, MO DHSS.

3. Section Number: Form11_Performance Measure #18**Field Name:** PM18**Row Name:****Column Name:****Year:** 2007**Field Note:**

Source: Missouri Information for Community Assessment (MICA) - Birth, and Bureau of Health Informatics, MO DHSS. 2007 provisional data as of April 28, 2008. 2007 final birth data will be available in October 2008.

There has been a slight decrease in the percent of prenatal care in the 1st trimester since 2006. It has been not clear why the number goes down. Some potential factors are speculated such as limited access to care and capacity of delivering doctors, and changes in prenatal care data collection from using self-reported information by the mother to using electronic medical records. An annual increase of 0.5% is used to create objectives 2008-2012, based on discussions with the Section of Healthy Families and Youth, MO DHSS.

FORM 11
TRACKING PERFORMANCE MEASURES
[SECS 485 (2)(2)(B)(iii) AND 486 (A)(2)(A)(iii)]
STATE: MO

Form Level Notes for Form 11

None

STATE PERFORMANCE MEASURE # 1 - REPORTING YEAR

Percent of women who have reported smoking during pregnancy.

Annual Objective and Performance Data					
	2005	2006	2007	2008	2009
Annual Performance Objective	17.5	16.3	14.4	16.5	17.3
Annual Indicator	18.2	18.4	17.7	17.6	16.8
Numerator	14,317	14,946	14,534	14,212	13,200
Denominator	78,547	81,353	81,883	80,944	78,631
Data Source				MO DHSS. Vital Statistics	MO DHSS. Vital Statistics
Is the Data Provisional or Final?				Final	Provisional

Annual Objective and Performance Data					
	2010	2011	2012	2013	2014
Annual Performance Objective	17.1	17	16.8	16.7	
Annual Indicator	Future year objectives for state performance measures from needs assessment period 2006-2010 are view-only. If you are continuing any of these measures in the new needs assessment period, you may establish objectives for those measures on Form 11 for the new needs assessment period.				
Numerator					
Denominator					

Field Level Notes

1. Section Number: Form11_State Performance Measure #1

Field Name: SM1

Row Name:

Column Name:

Year: 2009

Field Note:

Source: Missouri Information for Community Assessment (MICA)-Births, DHSS Vital Statistics. Provisional 2009 live births number as of April, 2010. Final data will be available, November, 2010. Numbers for 2008 have been updated with final data.

MO had seen a small but continuing decrease in maternal smoking for three consecutive years 2007-2009.

2. Section Number: Form11_State Performance Measure #1

Field Name: SM1

Row Name:

Column Name:

Year: 2008

Field Note:

Source: Missouri Information for Community Assessment (MICA)-Births, DHSS Vital Statistics. Provisional 2008 live births number as of April, 2009. Final data will be available, November, 2009.

Since 2007 MO had seen a small but continuing decrease in maternal smoking for two consecutive years 2007-2008. Objectives 2009-2013 were based on trend analysis on data 1994-2008, and discussions with the Section of Healthy Families and Youth, MO DHSS.

3. Section Number: Form11_State Performance Measure #1

Field Name: SM1

Row Name:

Column Name:

Year: 2007

Field Note:

Source: Missouri Information for Community Assessment (MICA)- Births and the Bureau of Health Informatics, MO DHSS. 2007provisional data as of April 28, 2008. 2007 final birth data will be available in October 2008.

Despite limited funding for tobacco prevention and cessation programs in Missouri, we intend to make every effort to make progress in this measure. Objectives 2008-2012 were set with considerations of trend analysis on data 1990-2007, and discussions with the Section of Healthy Families and Youth, MO DHSS.

STATE PERFORMANCE MEASURE # 2 - REPORTING YEAR

Percent of cigarette smoking among children 14-18 years of age.

Annual Objective and Performance Data					
	2005	2006	2007	2008	2009
Annual Performance Objective	<u>30</u>	<u>19.4</u>	<u>17.4</u>	<u>23.3</u>	<u>22.8</u>
Annual Indicator	<u>21.3</u>	<u>21.3</u>	<u>23.8</u>	<u>23.8</u>	<u>18.9</u>
Numerator	<u>59,081</u>	<u>60,210</u>	<u>68,127</u>	<u>67,789</u>	<u>53,275</u>
Denominator	<u>277,374</u>	<u>282,678</u>	<u>286,247</u>	<u>284,830</u>	<u>281,879</u>
Data Source				Missouri Youth Risk Behavioral Survey	Missouri Youth Risk Behavioral Survey
Is the Data Provisional or Final?				Provisional	Final

Annual Objective and Performance Data					
	2010	2011	2012	2013	2014
Annual Performance Objective	<u>22.3</u>	<u>21.8</u>	<u>21.3</u>	<u>20.8</u>	<u></u>
Annual Indicator	Future year objectives for state performance measures from needs assessment period 2006-2010 are view-only. If you are continuing any of these measures in the new needs assessment period, you may establish objectives for those measures on Form 11 for the new needs assessment period.				
Numerator					
Denominator					

Field Level Notes**1. Section Number:** Form11_State Performance Measure #2**Field Name:** SM2**Row Name:****Column Name:****Year:** 2009**Field Note:**

Source: Annual indicator is percentage from 2009 CDC's Youth Risk Behavioral Survey "Percentage of high school students who smoked cigarettes on one or more of the past 30 days. Numerator is based on percentage. Denominator is estimate using number of fall enrollment grades 9-12 for school year 2008-2009 obtained from the MO Dept. of Elementary & Secondary Education.

An annual decrease of 0.2% was chosen for objectives 2010-2014, based on trend data 1995-2009 and discussions with the Section of Healthy Families and Youth, MO DHSS.

2. Section Number: Form11_State Performance Measure #2**Field Name:** SM2**Row Name:****Column Name:****Year:** 2008**Field Note:**

Source: Annual indicator is percentage from 2007 CDC's Youth Risk Behavioral Survey "Percentage of high school students who smoked cigarettes on one or more of the past 30 days. Numerator is based on percentage. Denominator is estimate using number of fall enrollment grades 9-12 for school year 2007-2008 obtained from the MO Dept. of Elementary & Secondary Education.

YRBS survey is conducted every 2 years. Next survey results will be available summer 2010.

Objectives for 2009-2013 were set with considerations of trend analysis on MO YRBS data 1995-2007, and discussions with the Section of Healthy Families and Youth, MO DHSS.

3. Section Number: Form11_State Performance Measure #2**Field Name:** SM2**Row Name:****Column Name:****Year:** 2007**Field Note:**

The annual indicator is from the 2007 YRBS statistic "Percentage of high school students who smoked cigarettes on one or more of the past 30 days". The denominator is estimated using the number of fall enrollment, grades 9-12 for school year 2006-2007, obtained from the the MO Department of Elementary and Secondary Education.

Objectives for 2008-2012 were set with considerations of trend analysis on MO YRBS data 1995-2007, and discussions with the Section of Healthy Families and Youth, MO DHSS.

STATE PERFORMANCE MEASURE # 3 - REPORTING YEAR

Percent of mothers who are prepregnancy overweight by 20% or more.

Annual Objective and Performance Data					
	2005	2006	2007	2008	2009
Annual Performance Objective		35.2	34.7	36.8	37.4
Annual Indicator	36.5	36.7	36.9	37.5	38.2
Numerator	28,637	29,832	30,220	30,334	30,037
Denominator	78,547	81,353	81,883	80,944	78,631
Data Source				MO DHSS. Vital Statistics	MO DHSS. Vital Statistics
Is the Data Provisional or Final?				Final	Provisional

Annual Objective and Performance Data					
	2010	2011	2012	2013	2014
Annual Performance Objective	37.3	37.2	37.1	37	
Annual Indicator	Future year objectives for state performance measures from needs assessment period 2006-2010 are view-only. If you are continuing any of these measures in the new needs assessment period, you may establish objectives for those measures on Form 11 for the new needs assessment period.				
Numerator					
Denominator					

Field Level Notes**1. Section Number:** Form11_State Performance Measure #3**Field Name:** SM3**Row Name:****Column Name:****Year:** 2009**Field Note:**

Source: Missouri Information for Community Assessment (MICA)-Births, DHSS Vital Statistics. Provisional 2009 live births number as of April, 2010. Final data will be available, November, 2010.

2. Section Number: Form11_State Performance Measure #3**Field Name:** SM3**Row Name:****Column Name:****Year:** 2008**Field Note:**

Source: Missouri Information for Community Assessment (MICA)-Births, DHSS Vital Statistics. Provisional 2008 live births number as of April, 2009. Final data will be available, November, 2009.

The steady increasing trend in prepregnancy overweight in MO mirrors the secular trend in overweight and obesity among general women population in both MO and the U.S. Reducing obesity is a priority of the state. We intend to make every effort to make progress in this measure. An annual decrease of 0.1% was set to create objectives 2009-2013.

3. Section Number: Form11_State Performance Measure #3**Field Name:** SM3**Row Name:****Column Name:****Year:** 2007**Field Note:**

Source: Missouri Information for Community Assessment (MICA) - Birth and Bureau of Health Informatics, MO DHSS. 2007provisional data as of April 28, 2008. 2007 final birth data will be available in October 2008.

The trend analysis on data 1990-2007 shows the increasing trend in prepregnancy overweight in Missouri has tended to slowdown since 2004 but not yet reversed. A slight decrease from the current level would be an improvement. An annual decrease of 0.1% was set to create future objectives 2008-2012.

STATE PERFORMANCE MEASURE # 4 - REPORTING YEAR

Percent of high school students who met currently recommended levels of physical activity.

Annual Objective and Performance Data					
	2005	2006	2007	2008	2009
Annual Performance Objective		71.2	72.8	44.5	45.5
Annual Indicator	36.0	36.0	43.5	43.5	48.3
Numerator	99,854	101,764	124,517	123,901	136,148
Denominator	277,374	282,678	286,247	284,830	281,879
Data Source				Missouri Youth Risk Behavioral Survey	Missouri Youth Risk Behavioral Survey
Is the Data Provisional or Final?				Provisional	Final

Annual Objective and Performance Data					
	2010	2011	2012	2013	2014
Annual Performance Objective	46.5	47.5	48.5	49.5	
Annual Indicator	Future year objectives for state performance measures from needs assessment period 2006-2010 are view-only. If you are continuing any of these measures in the new needs assessment period, you may establish objectives for those measures on Form 11 for the new needs assessment period.				
Numerator					
Denominator					

Field Level Notes**1. Section Number:** Form11_State Performance Measure #4**Field Name:** SM4**Row Name:****Column Name:****Year:** 2009**Field Note:**

Source: Youth Risk Behavioral Survey (YRBS) 2009

A response of 5 or more days to the survey item "During the past 7 days, on how many days were you physically active for a total of at least 60 minutes per day?" (Add up all the time you spend on any kind of physical activity that increases your heart rate and makes you breathe hard part of the time). Denominator is the number of enrollment of grades 9-12 during the 2008-2009 school year, obtained from the Mo Dept of Elementary and Secondary Education.

An annual increase of 1% was chosen for objectives 2010-2014, based on data 2005-2009 and discussions with the Section of Healthy Families and Youth, MO DHSS.

2. Section Number: Form11_State Performance Measure #4**Field Name:** SM4**Row Name:****Column Name:****Year:** 2008**Field Note:**

Source: Youth Risk Behavioral Survey (YRBS) 2007

A response of 5 or more days to the survey item "During the past 7 days, on how many days were you physically active for a total of at least 60 minutes per day?" (Add up all the time you spend on any kind of physical activity that increases your heart rate and makes you breathe hard part of the time). The 2007 YRBS estimate is being used as a proxy for 2008 obtained from the Mo Dept of Elementary and Secondary Education. Denominator is the number of enrollment of grades 9-12 during the 2007-2008 school year.

YRBS survey is conducted every 2 years. Next survey results will be available summer 2010.

An annual increase of 1% on this measure was chosen to create objectives for 2009-2013, based on estimates of the indicator in 2005 and 2007, comparisons with other states, and discussions with the Section of Healthy Families and Youth, MO DHSS.

3. Section Number: Form11_State Performance Measure #4**Field Name:** SM4**Row Name:****Column Name:****Year:** 2007**Field Note:**

The question used to estimate the indicator SPM # 4 "percent of students who participated in vigorous physical activity" was discontinued in the 2007 YRBS questionnaire: "On how many of the past 7 days did you exercise or participate in physical activity for at least 20 minutes that made you sweat and breathe hard?". Instead, to reflect the current physical activity recommendation for youth, defined as "participation in any kind of physical activity that increased their heart rate and made them breathe hard some of the time for a total of at least 60 minutes/day on >=5 of the 7 days preceding the survey", a new question has been added to YRBS since the 2005 survey: "During the past 7 days, on how many days were you physically active for a total of at least 60 minutes per day? (Add up all the time you spend in any kind of physical activity that increases your heart rate and makes you breathe hard some of the time.)"

2007 YRBS estimate was obtained from the Missouri Department of Elementary and Secondary Education. The 2007 data was based on the new indicator "percent of students who were physically active for a total of at least 60 minutes per day on >=5 of the past 7 days". The data reported for 2007 is comparable with the data for 2005 but not comparable with data before 2005, which reflect previously recommended physical activity for youth. Denominator is number of fall enrollment of grades 9-12 during school year 2006-2007 from the Missouri Department of Elementary and Secondary Education.

YRBS data for the new indicator were only available for two years 2005 and 2007, which prevented the ability to conduct trend analyses. An annual increase of 1% on the new indicator was chosen to create future objectives for 2008-2012, based on estimates of the new indicator in 2005 and 2007, comparisons with other states, and discussions with the Section of Healthy Families and Youth, MO DHSS.

STATE PERFORMANCE MEASURE # 5 - REPORTING YEAR

Percent of women who enrolled in WIC during first trimester of pregnancy.

Annual Objective and Performance Data					
	2005	2006	2007	2008	2009
Annual Performance Objective		51.9	52.1	42.3	41.6
Annual Indicator	42.0	41.6	40.2	43.0	43.0
Numerator	19,101	18,502	18,873	17,642	17,642
Denominator	45,478	44,477	46,948	41,028	41,028
Data Source				Missouri Pregnancy Nutrition Surveillance System	Missouri Pregnancy Nutrition Surveillance System
Is the Data Provisional or Final?				Final	Provisional

Annual Objective and Performance Data					
	2010	2011	2012	2013	2014
Annual Performance Objective	41.8	42	42.2	42.4	
Annual Indicator	Future year objectives for state performance measures from needs assessment period 2006-2010 are view-only. If you are continuing any of these measures in the new needs assessment period, you may establish objectives for those measures on Form 11 for the new needs assessment period.				
Numerator					
Denominator					

Field Level Notes**1. Section Number:** Form11_State Performance Measure #5**Field Name:** SM5**Row Name:****Column Name:****Year:** 2009**Field Note:**

Source: CDC. Data Tables of the Missouri Pregnancy Nutrition Surveillance System (PNSS). The 2009 numbers will be available in November 2010, 2008 numbers are used as proxy for 2009. 2008 numbers are updated with 2008 data.

2. Section Number: Form11_State Performance Measure #5**Field Name:** SM5**Row Name:****Column Name:****Year:** 2008**Field Note:**

Source: CDC. Data Tables of the Missouri Pregnancy Nutrition Surveillance System (PNSS). The 2008 numbers will be available in November 2009, 2007 numbers are used as proxy for 2008.

This measure was selected as it reflects the ability of women to identify and access needed services such as applying for Medicaid, food stamps, TANF and accessing prenatal care.

Missouri had the fifth highest percent WIC enrollment during the first trimester among 28 states participating in PNSS in 2007. In FFY 2008, MO WIC began providing additional funds to local WIC providers to increase WIC enrollment among pregnant women. Objectives 2009-2013 were based on a combination of trend analysis on data 1998-2007 and discussions with the WIC Program.

3. Section Number: Form11_State Performance Measure #5**Field Name:** SM5**Row Name:****Column Name:****Year:** 2007**Field Note:**

Source: CDC. Data Tables of the Missouri Pregnancy Nutrition Surveillance System (PNSS). 2007 numbers will be available in November 2008. 2006 numbers are used as proxy for 2007.

Missouri had the third highest percent of women enrolled in WIC during first trimester of pregnancy among 29 states/territories participating in the PNSS in 2006. Objectives for 2008-2012 were based on trend analysis using the CDC data table of Missouri PNSS 1997-2006, and discussions with the Section of Healthy Families and Youth, MO DHSS.

Data source was changed from Birth certificate records in MICA and WIC Prenatal MICA to Data Tables of the Missouri Pregnancy Nutrition Surveillance System (PNSS) reported by CDC. The change aimed to 1) use the same data source for both numerator and denominator, 2) define the denominator as the number of women enrolled in WIC in either period during pregnancy or postpartum period instead of only the number enrolled in WIC during pregnancy, and 3) make the indicator comparable with other states/territories with PNSS.

The measures in 2006 and 2005 were also revised based on data from the changed data source. Therefore, 2005 and 2006 numbers are not comparable with numbers reported in 2004 and earlier.

STATE PERFORMANCE MEASURE # 6 - REPORTING YEAR

The incidence of emergency room visits for diseases of teeth and jaw for children ages under 15 per 1,000 population.

Annual Objective and Performance Data				
	2005	2006	2007	2008
Annual Performance Objective		0.9	0.9	0.9
Annual Indicator	1.0	2.0	2.0	2.1
Numerator	1,126	2,389	2,286	2,512
Denominator	1,162,408	1,169,209	1,169,041	1,170,036
Data Source				MO DHSS. Patient Abstract System
Is the Data Provisional or Final?				Final

Annual Objective and Performance Data				
	2010	2011	2012	2013
Annual Performance Objective	1.6	1.5	1.4	1.3
Annual Indicator	Future year objectives for state performance measures from needs assessment period 2006-2010 are view-only. If you are continuing any of these measures in the new needs assessment period, you may establish objectives for those measures on Form 11 for the new needs assessment period.			
Numerator				
Denominator				

Field Level Notes**1. Section Number:** Form11_State Performance Measure #6**Field Name:** SM6**Row Name:****Column Name:****Year:** 2009**Field Note:**

Source: Missouri Information for Community Assessment (MICA)-Emergency Room, MICA-Population. 2009 data are not available yet, 2008 data are used as proxy for 2009. Final 2009 data will be available in November, 2010.

2007 and 2008 numbers are updated with final 2007 and 2008 data.

Numerator is the number of ER visits due to disorders of teeth and jaw.

2. Section Number: Form11_State Performance Measure #6**Field Name:** SM6**Row Name:****Column Name:****Year:** 2008**Field Note:**

Source: Missouri Information for Community Assessment (MICA)-Emergency Room, MICA-Population. 2008 data are not available yet, 2007 provisional data are used as proxy for 2008. Final 2008 data will be available in November, 2009.

Numerator is the number of ER visits due to disorders of teeth and jaw. In previous reports, numerator for 2006 and earlier used the category-diseases of the mouth excluding dental. In this report, numerators for 2006 and later have been updated using the more related category - disorders of teeth and jaw. The number/rates of ER visits using the category - disorders of teeth and jaw for 2004 and 2005 should be 2,655/2.3 per 1,000 in and 2,468/2.1 per 1,000 respectively.

Objectives 2009-2013 were created based on trend analysis on data 2004-2007, and discussions with the Section of Healthy Families and Youth, MO DHSS.

3. Section Number: Form11_State Performance Measure #6**Field Name:** SM6**Row Name:****Column Name:****Year:** 2007**Field Note:**

Source: Source: Missouri Information for Community Assessment (MICA) - Emergency Room, and the Bureau of Health Informatics, MO DHSS. 2007 data will be available in December 2008, and 2006 data is used as proxy for 2007.

Objectives 2008-2012 were created based on trend analysis on data 1994-2006, and discussions with the Section of Healthy Families and Youth, MO DHSS.

STATE PERFORMANCE MEASURE # 7 - REPORTING YEAR

The incidence of domestic violence per 100,000 population.

Annual Objective and Performance Data					
	2005	2006	2007	2008	2009
Annual Performance Objective		666.4	661.4	660.9	573
Annual Indicator	672.3	685.5	633.5	578.2	617.0
Numerator	38,998	40,053	37,239	34,178	36,943
Denominator	5,800,310	5,842,713	5,878,415	5,911,605	5,987,580
Data Source				Missouri Highway Patrol	Missouri Highway Patrol
Is the Data Provisional or Final?				Final	Final

Annual Objective and Performance Data					
	2010	2011	2012	2013	2014
Annual Performance Objective	568	563	558	553	
Annual Indicator	Future year objectives for state performance measures from needs assessment period 2006-2010 are view-only. If you are continuing any of these measures in the new needs assessment period, you may establish objectives for those measures on Form 11 for the new needs assessment period.				
Numerator					
Denominator					

Field Level Notes**1. Section Number:** Form11_State Performance Measure #7**Field Name:** SM7**Row Name:****Column Name:****Year:** 2009**Field Note:**

Source: Numerator is number of domestic violence incidents obtained from the 2009 report of the Uniform Crime Reporting Program (UCR), Missouri Highway Patrol.
 Denominator is 2009 population estimate from the US Census Bureau.

2. Section Number: Form11_State Performance Measure #7**Field Name:** SM7**Row Name:****Column Name:****Year:** 2008**Field Note:**

Source: Numerator is number of domestic violence incidents obtained from the 2008 report of the Uniform Crime Reporting Program (UCR), Missouri Highway Patrol.
 Denominator is 2008 population estimate from the US Census Bureau.

Objectives 2009-2013 were based on past performance data 2004-2008, and discussions with the Section of Healthy Families and Youth, MO DHSS.

3. Section Number: Form11_State Performance Measure #7**Field Name:** SM7**Row Name:****Column Name:****Year:** 2007**Field Note:**

Numerator is number of domestic violence incidents obtained from the 2007 report of the Uniform Crime Reporting Program (UCR), Missouri State Highway Patrol.
 Denominator is the population estimate for 2007, obtained from the U.S. Census Bureau.

Objectives 2008-2012 were based on trend analysis on data 2001-2007, and discussions with the Section of Healthy Families and Youth, MO DHSS.

STATE PERFORMANCE MEASURE # 8 - REPORTING YEAR

Percent of women 18-44 years of age who reported frequent mental distress (FDM) for fourteen or more days during the past thirty days their mental health was not good.

Annual Objective and Performance Data					
	2005	2006	2007	2008	2009
Annual Performance Objective		13	12.8	12.5	15
Annual Indicator	13.0	15.4	12.5	15.4	16.4
Numerator	284,935	165,284	133,682	163,490	174,107
Denominator	2,185,654	1,073,275	1,066,415	1,061,625	1,061,625
Data Source				MO Behavioral Risk Factor Surveillance System	MO Behavioral Risk Factor Surveillance System
Is the Data Provisional or Final?				Final	Final

Annual Objective and Performance Data					
	2010	2011	2012	2013	2014
Annual Performance Objective	14	13	12	11	
Annual Indicator					
Numerator	Future year objectives for state performance measures from needs assessment period 2006-2010 are view-only. If you are continuing any of these measures in the new needs assessment period, you may establish objectives for those measures on Form 11 for the new needs assessment period.				
Denominator					

Field Level Notes**1. Section Number:** Form11_State Performance Measure #8**Field Name:** SM8**Row Name:****Column Name:****Year:** 2009**Field Note:**

Source: "Percent of women 18-44 years of age reporting their mental health was not good =>14 days in the past thirty days" was obtained from the 2009 Behavioral Risk Factor Surveillance System Survey (BRFSS). Denominator is estimated from the 2008 population of women 18-44 years of age from Missouri Information for Community Assessment (MICA) population. The 2009 population number will be available November, 2010. Numerator is based on BRFSS percentage.

2. Section Number: Form11_State Performance Measure #8**Field Name:** SM8**Row Name:****Column Name:****Year:** 2008**Field Note:**

Source: "Percent of women 18-44 years of age reporting their mental health was not good =>14 days in the past thirty days" was obtained from the 2008 Behavioral Risk Factor Surveillance System Survey (BRFSS). Denominator is estimated from the 2007 population of women 18-44 years of age from Missouri Information for Community Assessment (MICA) population. The 2008 population number will be available November, 2009. Numerator is based on BRFSS percentage.

This measure was selected as it reflects the mental health of all women of reproductive age, not merely those in the perinatal period. The results of this measure are applicable to all women in the pre-conception stage and reflect implications for care.

The increase in the percentage from 2007 to 2008 was not statistically significant. Objectives 2009-2013 were based on measures in past years and discussions with the Section of Healthy Families and Youth, MO DHSS.

3. Section Number: Form11_State Performance Measure #8**Field Name:** SM8**Row Name:****Column Name:****Year:** 2007**Field Note:**

Percent of women 18-44 years of age reporting their mental health not good=>14 days in the past 30 days was obtained from the 2007 BRFSS. Denominator was determined using population estimate of women 18-44 years of age for 2006, obtained from the Missouri Information for Community Assessment (MICA) - Population. 2007 population estimate for specific age groups will be available in November 2008.

A decrease of 0.1% every two years was set to create objectives 2008-2012, based on measures in past years and discussions with the Section of Healthy Families and Youth, MO DHSS.

STATE PERFORMANCE MEASURE # 9 - REPORTING YEAR

Percent of special needs children ages 3-5 enrolled in public preschool programs.

Annual Objective and Performance Data					
	2005	2006	2007	2008	2009
Annual Performance Objective		5.9	6.2	5	4.7
Annual Indicator	4.8	4.8	4.9	4.8	4.9
Numerator	10,887	10,873	11,315	11,045	11,358
Denominator	226,072	228,356	232,099	231,892	231,892
Data Source				MO Dept. of Elementary & Secondary Education	MO Dept. of Elementary & Secondary Education
Is the Data Provisional or Final?				Final	Provisional

Annual Objective and Performance Data					
	2010	2011	2012	2013	2014
Annual Performance Objective	4.8	4.8	4.9	4.9	
Annual Indicator	Future year objectives for state performance measures from needs assessment period 2006-2010 are view-only. If you are continuing any of these measures in the new needs assessment period, you may establish objectives for those measures on Form 11 for the new needs assessment period.				
Numerator					
Denominator					

Field Level Notes**1. Section Number:** Form11_State Performance Measure #9**Field Name:** SM9**Row Name:****Column Name:****Year:** 2009**Field Note:**

Source: Numerator from the Missouri Dept of Elementary & Secondary Education, Division of Special Education. Students with Disabilities Child count provisional 2009. Denominator is population 2008 estimate from CDC WONDER - Population, as proxy for 2009. Final numbers will be available November 2010.

2008 numbers are updated with 2008 final data.

2. Section Number: Form11_State Performance Measure #9**Field Name:** SM9**Row Name:****Column Name:****Year:** 2008**Field Note:**

Source: Numerator from the Missouri Dept of Elementary & Secondary Education, Division of Special Education. Students with Disabilities Child count provisional 2008. Denominator is population 2007 estimate from U.S. Census used as proxy for 2008. Final numbers will be available November 2009.

An increase of 0.1% every two years were set to create objectives 2009-2013, based on trend analysis on data 2002-2008 and discussions with the Section of Healthy Families and Youth, MO DHSS.

3. Section Number: Form11_State Performance Measure #9**Field Name:** SM9**Row Name:****Column Name:****Year:** 2007**Field Note:**

Source of numerator: Missouri Department of Elementary and Secondary Education, Division of Special Education. Students with Disabilities Child Count as of December 1, 2007.

Denominator of the population estimate for children ages 3-5 in 2007 will be available in November 2008, and 2006 data is used as proxy for 2007.

Objectives 2008-2012 were based on trend analysis on data 2001-2007 and discussions with the Section of Healthy Families and Youth, MO DHSS.

STATE PERFORMANCE MEASURE # 10 - REPORTING YEAR

Percent of children ages 0-19 years old who received health care at a FQHC.

<u>Annual Objective and Performance Data</u>					
	2005	2006	2007	2008	2009
Annual Performance Objective		7.1	7.5	8.2	8.8
Annual Indicator	6.4	7.2	7.8	8.4	9.2
Numerator	98,456	113,777	123,458	133,248	145,573
Denominator	1,545,754	1,574,087	1,583,410	1,582,696	1,582,696
Data Source				Missouri Primary Care Association	Missouri Primary Care Association
Is the Data Provisional or Final?				Final	Provisional

<u>Annual Objective and Performance Data</u>					
	2010	2011	2012	2013	2014
Annual Performance Objective	9.2	9.6	10	10.4	
Annual Indicator	Future year objectives for state performance measures from needs assessment period 2006-2010 are view-only. If you are continuing any of these measures in the new needs assessment period, you may establish objectives for those measures on Form 11 for the new needs assessment period.				
Numerator					
Denominator					

Field Level Notes**1. Section Number:** Form11_State Performance Measure #10**Field Name:** SM10**Row Name:****Column Name:****Year:** 2009**Field Note:**

Source: Numerator is 2009 data from Missouri Primary Care Association. Denominator is 2008 population estimate 0-19 from DHSS Missouri Information for Community Assessment (MICA), as proxy for 2009. 2009 population estimate will be available in November, 2010.

2. Section Number: Form11_State Performance Measure #10**Field Name:** SM10**Row Name:****Column Name:****Year:** 2008**Field Note:**

Source: Numerator is 2008 data from Missouri Primary Care Association. Denominator is 2007 population estimate 0-19 from US Census used as proxy for 2008. 2008 population estimate will be available in November, 2009.

Objectives 2009-2013 were based on trend analysis on data 2001-2008 and discussions with the Section of Healthy Families and Youth, MO DHSS and Missouri Primary Care Association.

3. Section Number: Form11_State Performance Measure #10**Field Name:** SM10**Row Name:****Column Name:****Year:** 2007**Field Note:**

Numerator is the number of children 0-19 years of age receiving health care at a FQHC in 2007, obtained from the Missouri Primary Care Association. The denominator of population estimate for children 0-19 for 2007 will be available in November 2008, and 2006 data is used as proxy for 2007.

Objectives 2008-2012 were based on trend analysis on data 2001-2007 and discussions with the Section of Healthy Families and Youth, MO DHSS and Missouri Primary Care Association.

FORM 12
TRACKING HEALTH OUTCOME MEASURES
[SECS 505 (A)(2)(B)(iii) AND 506 (A)(2)(A)(iii)]
STATE: MO

Form Level Notes for Form 12

None

OUTCOME MEASURE # 01

The infant mortality rate per 1,000 live births.

Annual Objective and Performance Data

	2005	2006	2007	2008	2009
Annual Performance Objective	7.7	7.7	7.7	7.5	7
Annual Indicator	7.5	7.4	7.5	7.2	7.1
Numerator	588	599	613	583	560
Denominator	78,547	81,353	81,883	80,944	78,631
Data Source				DHSS Vital Statistics	DHSS Vital Statistics

Check this box if you cannot report the numerator because
 1. There are fewer than 5 events over the last year, and
 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied.

(Explain data in a year note. See Guidance, Appendix IX.)

Is the Data Provisional or Final?

Final

Provisional

Annual Objective and Performance Data

	2010	2011	2012	2013	2014
Annual Performance Objective	6.9	6.8	6.7	6.7	6.6
Annual Indicator					
Numerator	Please fill in only the Objectives for the above years. Numerator, Denominator and Annual Indicators are not required for future year data.				
Denominator					

Field Level Notes

1. Section Number: Form12_Outcome Measure 1

Field Name: OM01

Row Name:

Column Name:

Year: 2009

Field Note:

Source: Missouri Information for Community Assessment (MICA)-Deaths,

DHSS Vital Statistics. Numerator and denominator are provisional 2009: infant deaths and live births as April, 2010. Final data will be available October, 2010.

Numerator and denominator for 2008 are updated with 2008 final data.

The infant mortality rate in Missouri in 2009 (provisional) slightly decreased compared with that in 2008, though the decrease was not statistically significant. A gradual decrease is expected for the next five years, based on the general decreasing trend in data 1999-2009, and discussions with the Office of Epidemiology, the Bureau of Health Informatics, and the Section of Healthy Families and Youth, MO DHSS.

2. Section Number: Form12_Outcome Measure 1

Field Name: OM01

Row Name:

Column Name:

Year: 2008

Field Note:

Source: Missouri Information for Community Assessment (MICA)-Deaths

DHSS Vital Statistics. Numerator and denominator are provisional 2008: infant deaths and live births as April, 2009. Final data will be available October, 2009.

The infant mortality rate in Missouri in 2008 decreased compared with that in 2007, though the decrease was not statistically significant. The decrease was largely attributed to decrease in infant deaths due to short gestation and low birth weight, and maternal complications. A gradual decrease is expected for the next five years, based on the general decreasing trend in data 1999-2008, and discussions with the Office of Epidemiology, the Bureau of Health Informatics, and the Section of Healthy Families and Youth, MO DHSS.

3. Section Number: Form12_Outcome Measure 1

Field Name: OM01

Row Name:

Column Name:

Year: 2007

Field Note:

Source: Missouri Information for Community Assessment (MICA) - Deaths, MICA - Births, and the Bureau of Health Informatics, MO DHSS. 2007provisional data as of April 28, 2008. 2007 final data will be available in November 2008.

Trend analysis on data 1998-2007 shows an overall gradual decrease in infant mortality rate. A decrease of 0.2 per 1,000 every two years was chosen to create objectives 2008-2012, based on trend analysis on data 1998-2007 and discussions with the Office of Epidemiology, the Bureau of Health Informatics, and the Section of Healthy Families and Youth, MO DHSS.

OUTCOME MEASURE # 02

The ratio of the black infant mortality rate to the white infant mortality rate.

Annual Objective and Performance Data					
	2005	2006	2007	2008	2009
Annual Performance Objective	2.3	2.2	2.5	2.5	2.4
Annual Indicator	2.3	2.5	2.8	2.5	2.3
Numerator	14.8	14.9	16.3	15	13.8
Denominator	6.3	6	5.9	5.9	6
Data Source				DHSS Vital Statistics	DHSS Vital Statistics
Check this box if you cannot report the numerator because 1. There are fewer than 5 events over the last year, and 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied. (Explain data in a year note. See Guidance, Appendix IX.)					
Is the Data Provisional or Final?				Final	Provisional

Annual Objective and Performance Data					
	2010	2011	2012	2013	2014
Annual Performance Objective	2.3	2.2	2.2	2.1	2.1
Annual Indicator					
Numerator	Please fill in only the Objectives for the above years. Numerator, Denominator and Annual Indicators are not required for future year data.				
Denominator					

Field Level Notes**1. Section Number:** Form12_Outcome Measure 2

Field Name: OM02

Row Name:

Column Name:

Year: 2009

Field Note:

Source: Missouri Information for Community Assessment (MICA) - Deaths, MICA - Births, DHSS Vital Statistics. 2009 provisional data as of April, 2010. 2009 final data will be available in October, 2010.

Numerator and denominator for 2008 are updated with 2008 final data.

The black/white infant mortality rate (IMR) ratio of 2.3 in 2009 (provisional) further decreased, compared with 2008 figure of 2.5. The decrease in the ratio was due to a decrease in IMR for African-Americans. A slight decrease of 0.1 of the ratio for every two years is anticipated for 2010-2014, with considerations of trend analysis on data 1990-2009 and discussions with the Office of Epidemiology, the Bureau of Health Informatics, and the Section of Healthy Families and Youth, MO DHSS.

2. Section Number: Form12_Outcome Measure 2

Field Name: OM02

Row Name:

Column Name:

Year: 2008

Field Note:

Source: Missouri Information for Community Assessment (MICA) - Deaths, MICA - Births, DHSS Vital Statistics. 2008 provisional data as of April, 2009. 2008 final data will be available in October, 2009.

An increase in black/white infant mortality rate (IMR) ratio in 2007 did not continue in 2008. IMR ratio decreased from 2.8 in 2007 to 2.5 in 2008, due to decrease in IMR in African-Americans. Objectives 2009-2013 were created with consideration of trend analysis on data 1990-2008 and discussions with the Office of Epidemiology, the Bureau of Health Informatics, and the Section of Healthy Families and Youth, MO DHSS.

3. Section Number: Form12_Outcome Measure 2

Field Name: OM02

Row Name:

Column Name:

Year: 2007

Field Note:

Source: Missouri Information for Community Assessment (MICA) - Deaths, MICA - Births, and Bureau of Health Informatics, MO DHSS. 2007 provisional data as of April 28, 2008. 2007 final data will be available in November 2008.

Future objectives 2008-2012 were created with consideration of trend analysis on data 1990-2006 and discussions with the Office of Epidemiology, the Bureau of Health Informatics, and the Section of Healthy Families and Youth, MO DHSS.

OUTCOME MEASURE # 03

The neonatal mortality rate per 1,000 live births.

Annual Objective and Performance Data					
	2005	2006	2007	2008	2009
Annual Performance Objective	5.1	4.5	4.4	5	4.4
Annual Indicator	4.7	4.9	5.0	4.4	4.5
Numerator	370	397	409	357	352
Denominator	78,547	81,353	81,883	80,944	78,631
Data Source				DHSS Vital Statistics	DHSS Vital Statistics
Check this box if you cannot report the numerator because 1. There are fewer than 5 events over the last year, and 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied. (Explain data in a year note. See Guidance, Appendix IX.)					
Is the Data Provisional or Final?				Final	Provisional

Annual Objective and Performance Data					
	2010	2011	2012	2013	2014
Annual Performance Objective	4.4	4.3	4.3	4.3	4.2
Annual Indicator					
Numerator	Please fill in only the Objectives for the above years. Numerator, Denominator and Annual Indicators are not required for future year data.				
Denominator					

Field Level Notes**1. Section Number:** Form12_Outcome Measure 3

Field Name: OM03

Row Name:

Column Name:

Year: 2009

Field Note:

Source: Missouri Information for Community Assessment (MICA)-Deaths, MICA-Births, DHSS Vital Statistics. 2009 provisional data as of April, 2010. 2009 final data will be available in October, 2010.

Numerator and denominator for 2008 are updated with 2008 final data.

The neonatal death rate of 4.5 per 1,000 in Missouri in 2009 (provisional) showed a slight increase compared with the rate of 4.4 per 1,000 in 2008. A gradual decrease is expected for the next five years 2010-2014, based on the general decreasing trend in data 1999-2009, and discussions with the Office of Epidemiology, the Bureau of Health Informatics, and the Section of Healthy Families and Youth, MO DHSS.

2. Section Number: Form12_Outcome Measure 3

Field Name: OM03

Row Name:

Column Name:

Year: 2008

Field Note:

Source: Missouri Information for Community Assessment (MICA)-Deaths, MICA-Births, DHSS Vital Statistics. 2008 provisional data as of April, 2009. 2008 final data will be available in October, 2009.

The neonatal death rate in Missouri in 2008 showed a marginally significant decrease compared with that in 2007. A gradual decrease is expected for the next five years, based on the general decreasing trend in data 1999-2008, and discussions with the Office of Epidemiology, the Bureau of Health Informatics, and the Section of Healthy Families and Youth, MO DHSS.

3. Section Number: Form12_Outcome Measure 3

Field Name: OM03

Row Name:

Column Name:

Year: 2007

Field Note:

Source: Missouri Vital Statistics Annual Reports, Missouri Information for Community Assessment (MICA) - Births, and the Bureau of Health Informatics, MO DHSS. 2007 provisional data as of April 28, 2008. 2007 final data will be available in November 2008.

Trend analysis based on data 1998-2007 shows an overall gradual decrease in neonatal mortality rate. A decrease of 0.1 per 1,000 every two years was chosen to create objectives 2008-2012, based on trend analysis on data 1998-2007 and discussions with the Office of Epidemiology, the Bureau of Health Informatics, and the Section of Healthy Families and Youth, MO DHSS.

OUTCOME MEASURE # 04

The postneonatal mortality rate per 1,000 live births.

Annual Objective and Performance Data					
	2005	2006	2007	2008	2009
Annual Performance Objective	2.6	2.6	2.6	2.5	2.6
Annual Indicator	2.8	2.5	2.5	2.8	2.6
Numerator	218	202	204	226	208
Denominator	78,547	81,353	81,883	80,944	78,631
Data Source				DHSS Vital Statistics	DHSS Vital Statistics
Check this box if you cannot report the numerator because 1. There are fewer than 5 events over the last year, and 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied. (Explain data in a year note. See Guidance, Appendix IX.)					
Is the Data Provisional or Final?				Final	Provisional

Annual Objective and Performance Data					
	2010	2011	2012	2013	2014
Annual Performance Objective	2.5	2.5	2.4	2.4	2.4
Annual Indicator					
Numerator	Please fill in only the Objectives for the above years. Numerator, Denominator and Annual Indicators are not required for future year data.				
Denominator					

Field Level Notes**1. Section Number:** Form12_Outcome Measure 4

Field Name: OM04

Row Name:

Column Name:

Year: 2009

Field Note:

Source: Missouri Information for Community Assessment (MICA)-Deaths, MICA-Births, DHSS Vital Statistics. 2009 provisional data as of April, 2010. 2009 final data will be available in October, 2010.

Numerator and denominator for 2008 are updated with 2008 final data.

The postneonatal death rate of 2.6 per 1,000 in Missouri in 2009 (provisional) slightly decreased compared with the rate of 2.8 per 1,000 in 2008. A slight decrease is expected for the next five years, based on the overall trend data 1998-2009, and discussions with the Office of Epidemiology, the Bureau of Health Informatics, and the Section of Healthy Families and Youth, MO DHSS.

2. Section Number: Form12_Outcome Measure 4

Field Name: OM04

Row Name:

Column Name:

Year: 2008

Field Note:

Source: Missouri Information for Community Assessment (MICA)-Deaths, MICA-Births, DHSS Vital Statistics. 2008 provisional data as of April, 2009. 2008 final data will be available in October, 2009.

The postneonatal death rate in Missouri in 2008 slightly increased compared with that in 2007, though the increase was not statistically significant. A gradual decrease is expected for the next five years, based on the overall decreasing trend in data 1998-2007, and discussions with the Office of Epidemiology, the Bureau of Health Informatics, and the Section of Healthy Families and Youth, MO DHSS.

3. Section Number: Form12_Outcome Measure 4

Field Name: OM04

Row Name:

Column Name:

Year: 2007

Field Note:

Source: Missouri Vital Statistics Annual Reports, Missouri Information for Community Assessment (MICA) - Births, and the Bureau of Health Informatics, MO DHSS. 2007 provisional data as of April 28, 2008. 2007 final data will be available in November 2008.

Trend analysis based on data 1998-2007 shows an overall gradual decrease. A decrease of 0.1 per 1,000 every two years was chosen to create objectives 2008-2012, with consideration of trend analysis on data 1998-2007 and discussions with the Office of Epidemiology, the Bureau of Health Informatics, and the Section of Healthy Families and Youth, MO DHSS.

OUTCOME MEASURE # 05

The perinatal mortality rate per 1,000 live births plus fetal deaths.

Annual Objective and Performance Data					
	2005	2006	2007	2008	2009
Annual Performance Objective	10.9	10.2	9.7	9.9	9.5
Annual Indicator	9.6	9.8	10.1	9.4	9.1
Numerator	759	801	833	768	718
Denominator	79,008	81,814	82,385	81,422	79,099
Data Source				DHSS Vital Statistics	DHSS Vital Statistics
Check this box if you cannot report the numerator because 1. There are fewer than 5 events over the last year, and 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied. (Explain data in a year note. See Guidance, Appendix IX.)					
Is the Data Provisional or Final?				Final	Provisional

Annual Objective and Performance Data					
	2010	2011	2012	2013	2014
Annual Performance Objective	6.3	6.2	6.2	6.1	6.1
Annual Indicator					
Numerator	Please fill in only the Objectives for the above years. Numerator, Denominator and Annual Indicators are not required for future year data.				
Denominator					

Field Level Notes**1. Section Number:** Form12_Outcome Measure 5**Field Name:** OM05**Row Name:****Column Name:****Year:** 2009**Field Note:**

Source: Missouri Information for Community Assessment (MICA)-Deaths, MICA-Births, MICA-Pregnancies, DHSS Vital Statistics. Provisional 2009 data as of May 2009. Final data will be available October 2010.

Numerator is the number of fetal deaths (≥ 20 weeks of gestation or birth weight ≥ 350 grams if gestational age is unknown) plus the number of infant deaths under 7 days. Denominator is the number of live births plus the fetal deaths.

Starting from next year - 2010 Report, the definition of perinatal mortality will be changed to Definition I recommended by the National Center for Health Statistics. Definition I is preferred for international and state-to-state comparisons due to differences among countries/states in completeness of reporting of fetal deaths of 20-27 weeks gestation.

For Definition I, perinatal deaths include fetal deaths ≥ 28 weeks of gestation and early neonatal deaths under 7 days. By using Definition I, the perinatal death rate in Missouri slightly decreased from 6.5 per 1,000 in 2008 to 6.3 per 1,000 in 2009 (provisional). Objectives 2010-2014 were set up based on an overall decreasing trend in perinatal death rate from 1999 to 2009 by using Definition I.

2. Section Number: Form12_Outcome Measure 5**Field Name:** OM05**Row Name:****Column Name:****Year:** 2008**Field Note:**

Source: Missouri Information for Community Assessment (MICA)-Deaths, MICA-Births, MICA-Pregnancies, DHSS Vital Statistics. Provisional 2008 data as April 2009. Final data will be available October 2009.

Numerator is the number of fetal deaths (≥ 20 weeks of gestation or birth weight ≥ 350 grams if gestational age is unknown) plus the number of infant deaths under 7 days. Denominator is the number of live births plus fetal deaths.

A gradual decrease of 0.1 per 1,000 for every two years is expected for the next five years, based on a combination of trend analysis on data 1999-2008, and discussions with the Office of Epidemiology, the Bureau of Health Informatics, and the Section of Healthy Families and Youth, MO DHSS.

3. Section Number: Form12_Outcome Measure 5**Field Name:** OM05**Row Name:****Column Name:****Year:** 2007**Field Note:**

Source: Missouri Information for Community Assessment (MICA) - Pregnancy, MICA Births, and the Bureau of Health Informatics, MO DHSS. 2007 provisional data as of April 28, 2008. 2007 final data will be available in November 2008.

Calculation of the numerator perinatal deaths was revised from taking the number of fetal deaths (≥ 20 weeks of gestation or birth weight ≥ 350 grams if gestational age is unknown) plus the number of infant deaths under 28 days to using the number of fetal deaths plus the number of infant deaths under 7 days. 2005-2007 data have been updated using the revised definition.

Future objectives 2008-2012 were created based on trend analysis on data 1999-2007 and discussions with the Office of Epidemiology, the Bureau of Health Informatics, and the Section of Healthy Families and Youth, MO DHSS.

OUTCOME MEASURE # 06

The child death rate per 100,000 children aged 1 through 14.

<u>Annual Objective and Performance Data</u>					
	2005	2006	2007	2008	2009
Annual Performance Objective	23.1	22.8	22.5	21.6	19.5
Annual Indicator	20.9	21.1	22.5	19.6	20.6
Numerator	226	230	245	213	224
Denominator	1,083,861	1,087,856	1,087,345	1,089,092	1,089,092
Data Source				DHSS Vital Statistics	DHSS Vital Statistics
Check this box if you cannot report the numerator because 1. There are fewer than 5 events over the last year, and 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied. <i>(Explain data in a year note. See Guidance, Appendix IX.)</i>					
Is the Data Provisional or Final?				Final	Provisional

<u>Annual Objective and Performance Data</u>					
	2010	2011	2012	2013	2014
Annual Performance Objective	20.1	19.7	19.3	18.9	18.5
Annual Indicator					
Numerator	Please fill in only the Objectives for the above years. Numerator, Denominator and Annual Indicators are not required for future year data.				
Denominator					

Field Level Notes**1. Section Number:** Form12_Outcome Measure 6**Field Name:** OM06**Row Name:****Column Name:****Year:** 2009**Field Note:**

Source: Missouri Information for Community Assessment (MICA)-Deaths & MICA-Population, DHSS Vital Statistics. Numerator is based on 2009 provisional death file as of April 2010. 2009 final death data will be available October, 2010. Denominator is 2008 population estimate of children 1-14 years of age, The 2009 population estimate will be available November 2010.

Numerator and denominator for 2008 are updated with 2008 final data. Objectives 2010-2014 were set up, based on a combination of trend analysis on data 1999-2009, and discussions with the Section of Families and Youth, MO DHSS.

2. Section Number: Form12_Outcome Measure 6**Field Name:** OM06**Row Name:****Column Name:****Year:** 2008**Field Note:**

Source: Missouri Information for Community Assessment (MICA)-Deaths & MICA-Population, DHSS Vital Statistics. Numerator is based on 2008 provisional death file as of April 2009. 2008 final death data will be available October, 2009. Denominator is 2007 population estimate of children 1-14 years of age, The 2008 population estimate will be available November 2009.

A decrease of 0.2 per 100,000 for every two years was used to create objectives 2009-2013, based on a combination of the overall decreasing trend in data 1999-2008, and discussions with the Section of Families and Youth, MO DHSS.

3. Section Number: Form12_Outcome Measure 6**Field Name:** OM06**Row Name:****Column Name:****Year:** 2007**Field Note:**

Source: Missouri Information for Community Assessment (MICA) - Deaths, MICA - Population, and the Bureau of Health Informatics, MO DHSS. 2007provisional data as of April 28, 2008. 2007 denominator of population estimate for 1-14 years of age is not available yet, and 2006 population estimate is used as a proxy for 2007. 2007 final data will be available in November 2008.

Future objectives 2008-2012 were based on trend analysis on data 1999-2007, and discussions with the Section of Healthy Families and Youth, MO DHSS.

FORM 12
TRACKING HEALTH OUTCOME MEASURES
[SECS 505 (A)(2)(B)(iii) AND 506 (A)(2)(A)(iii)]
STATE: MO

Form Level Notes for Form 12

None

FORM 13
CHARACTERISTICS DOCUMENTING FAMILY PARTICIPATION IN CSHCN PROGRAMS
STATE: MO

1. Family members participate on advisory committee or task forces and are offering training, mentoring, and reimbursement, when appropriate.

3

2. Financial support (financial grants, technical assistance, travel, and child care) is offered for parent activities or parent groups.

3

3. Family members are involved in the Children with Special Health Care Needs elements of the MCH Block Grant Application process.

3

4. Family members are involved in service training of CSHCN staff and providers.

1

5. Family members hired as paid staff or consultants to the State CSHCN program (a family member is hired for his or her expertise as a family member).

3

6. Family members of diverse cultures are involved in all of the above activities.

1

Total Score: 14

Rating Key

0 = Not Met

1 = Partially Met

2 = Mostly Met

3 = Completely Met

FORM NOTES FOR FORM 13

None

FIELD LEVEL NOTES

None

FORM 14
LIST OF MCH PRIORITY NEEDS

[Sec. 505(a)(5)]

STATE: MO FY: 2011

Your State's 5-year Needs Assessment should identify the need for preventive and primary care services for pregnant women, mothers, and infants; preventive and primary care services for children and services for Children with Special Health Care Needs. With each year's Block Grant application, provide a list (whether or not the priority needs change) of the top maternal and child health needs in your state. Using simple sentence or phrase, list below your State's needs. Examples of such statements are: "To reduce the barriers to the delivery of care for pregnant women, " and "The infant mortality rate for minorities should be reduced."

MCHB will capture annually every State's top 7 to 10 priority needs in an information system for comparison, tracking, and reporting purposes; you must list at least 7 and no more than 10. Note that the numbers listed below are for computer tracking only and are not meant to indicate priority order. If your State wishes to report more than 10 priority needs, list additional priority needs in a note at the form level.

1. Improve Health Care Access for MCH populations
2. Prevent and Reduce Smoking Among Women and Adolescents
3. Reduce Obesity Among Women, Children and Adolescents
4. Improve the Mental Health Status of MCH Populations
5. Enhance Access to Oral Health Care Services for MCH populations
6. Improve Preconception Health among Women of Childbearing Age
7. Reduce the Rate of Teen Pregnancies and Births
8. Reduce Disparities in Adverse Birth and Pregnancy Outcomes
9. Reduce Intentional and Unintentional Injuries Among Women, Children, and Adolescents
10. Support Adequate Early Childhood Development and Education

FORM NOTES FOR FORM 14

Life Course Perspective is the overarching theme of Missouri MCH Priorities.

FIELD LEVEL NOTES

None

FORM 15
TECHNICAL ASSISTANCE(TA) REQUEST

STATE: MO

APPLICATION YEAR: 2011

No.	Category of Technical Assistance Requested	Description of Technical Assistance Requested (max 250 characters)	Reason(s) Why Assistance Is Needed (max 250 characters)	What State, Organization or Individual Would You suggest Provide the TA (if known) (max 250 characters)
1.	General Systems Capacity Issues If you selected State or National Performance Measure Issue categories above, identify the performance measure to which this issue pertains by entering the measure number here: <u> N/A </u>	Implementation of the "Lifecourse" perspective	Research supports this philosophy as a means to improve health outcomes for pregnant women and children.	Unknown
2.	National Performance Measure Issues If you selected State or National Performance Measure Issue categories above, identify the performance measure to which this issue pertains by entering the measure number here: <u> 3 </u>	Expansion of Medical Home	Improves health outcomes for all recipients and should be a benefit for all pregnant women and children.	Unknown
3.	Other If you selected State or National Performance Measure Issue categories above, identify the performance measure to which this issue pertains by entering the measure number here: <u> N/A </u>	Healthy Birth Outcomes/Infant Mortality	Identify challenges in programs, agencies and/or policies to allow for corrective action and address Missouri 2010 Priority Needs of reducing: disparities in adverse birth/pregnancy outcomes and intentional/unintentional injuries among infants.	Attempted to obtain TA, but no positive response has been received.
4.	If you selected State or National Performance Measure Issue categories above, identify the performance measure to which this issue pertains by entering the measure number here: <u> </u>			
5.	If you selected State or National Performance Measure Issue categories above, identify the performance measure to which this issue pertains by entering the measure number here: <u> </u>			
6.	If you selected State or National Performance Measure Issue categories above, identify the performance measure to which this issue pertains by entering the measure number here: <u> </u>			
7.	If you selected State or National Performance Measure Issue categories above, identify the performance measure to which this issue pertains by entering the measure number here: <u> </u>			
8.	If you selected State or National Performance Measure Issue categories above, identify the performance measure to which this issue pertains by entering the measure number here: <u> </u>			
9.	If you selected State or National Performance Measure Issue categories above, identify the performance measure to which this issue pertains by entering the measure number here: <u> </u>			
10.	If you selected State or National Performance Measure Issue categories above, identify the performance measure to which this issue pertains by entering the			

	measure number here: _____			
11.	If you selected State or National Performance Measure Issue categories above, identify the performance measure to which this issue pertains by entering the measure number here: _____			
12.	If you selected State or National Performance Measure Issue categories above, identify the performance measure to which this issue pertains by entering the measure number here: _____			

FORM NOTES FOR FORM 15

None

FIELD LEVEL NOTES

None

FORM 16
STATE PERFORMANCE AND OUTCOME MEASURE DETAIL SHEET
STATE: MO

SP(Reporting Year) # 1

PERFORMANCE MEASURE:

Percent of women who have reported smoking during pregnancy.

STATUS:

Active

GOAL

To reduce the number of low birth weight babies.

DEFINITION

Percent of women who have reported smoking during pregnancy.

Numerator:

Number of women who report smoking during pregnancy at time of delivery.

Denominator:

Total number of women who delivered babies.

Units: 100 **Text:** Percent

HEALTHY PEOPLE 2010 OBJECTIVE

16-17c. Increase abstinence from cigarettes among pregnant women to 99%.

DATA SOURCES AND DATA ISSUES

Prenatal drug prevalence studies conducted in 1993, 1997, and 2001 identified tobacco as the most prevalent substance used among Missouri pregnant women. Additionally, tested urine specimens revealed that smoking during pregnancy was alarmingly high among non-Hispanic white adolescents at 40.7 percent and rose dramatically among non-Hispanic black adolescents from 5.3 percent in 1997 to 15.4 percent in 2001. Smoking during pregnancy is the single most preventable cause of illness and death among mothers and infants. Cigarette smoking contributes to an estimated 10% of infant deaths and 30% of low birth weight infants. In 1996, smoking during pregnancy resulted in an estimated \$10,000,000 in smoking-attributable neonatal expenditures in Missouri. In 2000, 26 infants died due to maternal smoking during pregnancy.

SIGNIFICANCE

Infants born to mothers who do not smoke are more likely to be born full-term, at the appropriate weight, and healthier.

SP(Reporting Year) # 2

PERFORMANCE MEASURE:

Percent of cigarette smoking among children 14-18 years of age.

STATUS:

Active

GOAL

To prevent and reduce tobacco use among adolescents in grades 9 through 12.

DEFINITION

Current cigarette smoking is defined as smoking cigarettes on one (1) or more of the thirty days preceding the Youth Behavioral Survey (YRBS).

Numerator:

Number of adolescents in grades 9 through 12 who reported smoking one or more of the thirty days preceding the survey.

Denominator:

The number of adolescents completing the YRBS.

Units: 100 **Text:** Percent

HEALTHY PEOPLE 2010 OBJECTIVE

27-2b. Reduce cigarette use by adolescents to 16%.

DATA SOURCES AND DATA ISSUES

The Youth Risk Behavioral survey conducted by the Department of Elementary and Secondary Education every two years. There are at least two limitations: 1. The data only apply to adolescents who attend high school and does not cover adolescents not enrolled in a high school program; and 2. the extent of under reporting or over reporting in YRBS cannot be determined, although the survey questions demonstrate good test-retest reliability.

SIGNIFICANCE

Tobacco use among Missouri adults remained steady over the past decade with 27.2 percent reporting smoking in 2003, the third highest rate among all states. During the same decade, smoking among pregnant women in Missouri declined significantly by 26.6 percent, from 24.8 percent in 1990 to 18.2 percent in 2002, as determined by self-reported information on birth certificates. However, smoking among pregnant females aged 15-19 years remained high at 27.2 percent in 2001-2002, and overall smoking during pregnancy in Missouri ranked 8th highest among all states.

SP(Reporting Year) # 3

PERFORMANCE MEASURE:

Percent of mothers who are prepregnancy overweight by 20% or more.

STATUS:

Active

GOAL

Reduce the % of mothers who are overweight by 20% or more during pre-pregnancy.

DEFINITION

Percent of resident live births to women whose pre-pregnancy weight for height is equal to or greater than 20 percent over the desired weight for height according to the 1959 Metropolitan Life Insurance tables.

Numerator:

Resident live births to women whose pre-pregnancy weight for height is equal to or greater than 20 percent over the desired weight for height according to the 1959 Metropolitan Life Insurance tables.

Denominator:

Resident live births.

Units: 100 **Text:** Percent

HEALTHY PEOPLE 2010 OBJECTIVE

N/A

DATA SOURCES AND DATA ISSUES

Missouri Information for Community Assessment (MICA)- Birth Data is maintained by the Bureau of Health Informatics.

SIGNIFICANCE

Missouri's percentage of mothers who are pre-pregnancy overweight by 20% or more has increased from 35.2% in 2000 to 36.9% in 2003. Overweight (or obese) women are at a higher risk of developing Type II diabetes, high blood pressure, high cholesterol levels, and other harmful health conditions.

PERFORMANCE MEASURE:

Percent of high school students who met currently recommended levels of physical activity.

STATUS:

Active

GOAL

Increase the percentage of high school students who met currently recommended levels of physical activity.

DEFINITION

Percentage of high school students who participated in any kind of physical activity that increased their heart rate and made them breathe hard some of the time for a total of at least 60 minutes per day on five or more of the seven days preceding the survey.

Numerator:

Number of high school students in grades 9 through 12 who participated in any kind of physical activity that increased their heart rate and made them breathe hard some of the time for a total of at least 60 minutes/day on ≥ 5 of the 7 days preceding the survey.

Denominator:

The number of adolescents completing the YRBS.

Units: 100 **Text:** Percent

HEALTHY PEOPLE 2010 OBJECTIVE

There is no specific HP 2010 objective for the currently recommended levels of physical activity for youth. There is HP 2010 objective for the previously recommended levels of physical activity for youth: 22-7. Increase the proportion of adolescents who engage in vigorous physical activity that promotes cardiorespiratory fitness 3 or more days per week for 20 or more minutes per occasion. Target: 85 percent. Baseline: 64 percent of students in grades 9 through 12 engaged in vigorous physical activity 3 or more days per week for 20 or more minutes per occasion in 1997.

Data source: CDC, NCCDPHP. Youth Risk Behavior Survey (YRBS). The YRBS is conducted by the Department of Elementary and Secondary Education every two years.

DATA SOURCES AND DATA ISSUES

YRBS has at least two limitations: 1. The data only apply to adolescents who attend high school and does not cover adolescents not enrolled in a high school program; and 2. Survey questions demonstrate good test-retest reliability and validity, although student's self-reports of physical activity are influenced substantially by cognitive factors and to a lesser degree by situational ones. Data before 2005 reflect the previously recommend physical activity for youth: "participation in physical activity for at least 20 minutes that made them sweat and breathe hard on ≥ 3 of the past seven days." Data reported in 2005 and later reflect the current physical activity recommendation for youth: "participation in any kind of physical activity that increased their heart rate and made them breathe hard some of the time for a total of at least 60 minutes/day on ≥ 5 of the 7 days preceding the survey". Therefore, the indicator data 2005 and later are not comparable with those before 2005.

SIGNIFICANCE

Lack of physical activity is the main contributor to obesity in adolescents. Overweight (or obese) children are at a higher risk of developing Type II diabetes, high blood pressure, high cholesterol levels, and other harmful health conditions.

SP(Reporting Year) # 5

PERFORMANCE MEASURE:

Percent of women who enrolled in WIC during first trimester of pregnancy.

STATUS:

Active

GOAL

To increase percent of women participating in WIC at first trimester of pregnancy.

DEFINITION

Percent of women who enrolled in WIC during 0-13 weeks in the gestation period in a given calendar year.

Numerator:

Number of women who enrolled in WIC during 0-13 weeks in the gestation period in a given calendar year.

Denominator:

Number of women enrolled in WIC in a given calendar year

Units: 100 **Text:** Percent

HEALTHY PEOPLE 2010 OBJECTIVE

N/A

DATA SOURCES AND DATA ISSUES

Source: Centers for Disease Control and Prevention. Data Tables of the Pregnancy Nutrition Surveillance System (PNSS), Missouri. Limitations of the data: 1) an assumption that the majority of low-income women are at nutritional risk; 2) PNSS is a program-based surveillance system and limited to WIC population

SIGNIFICANCE

WIC enrollment in the first trimester is essential to ensure maximum impact on the health of mothers and infants. Early prenatal WIC participation is associated with improved birthweights, reduction in preterm delivery and small for gestational age deliveries, and increase in incidence of breastfeeding.

PERFORMANCE MEASURE:

The incidence of emergency room visits for diseases of teeth and jaw for children ages under 15 per 1,000 population.

STATUS:

Active

GOAL

To reduce the incidence of emergency room visits for diseases of teeth and jaw for children ages under 15 per 1,000 population.

DEFINITION

Diagnoses and procedures associated with emergency room visits are classified in accordance with the Ninth Revision of the International Classification of Diseases (ICD-9). This classification is the result of close collaboration among many nations and non-governmental organizations, under the auspices of the World Health Organization. Its original use was to classify causes of mortality. Later, it was extended to include diagnoses in morbidity. For example, the "clinical modification" of the ICD is used in categorizing hospital diagnoses. In practice, the ICD has become the international standard diagnostic classification for all general epidemiological, as well as health management, purposes. The ninth revision of the ICD has been used to classify diseases and procedures for the Patient Abstract System since 1979.

Numerator:

Number of incidents reported through the Patient Abstract System.

Denominator:

State population estimate.

Units: 1000 **Text:** Rate

HEALTHY PEOPLE 2010 OBJECTIVE

N/A

DATA SOURCES AND DATA ISSUES

The source of these data is the Patient Abstract System (PAS) data file maintained by the Bureau of Health Informatics, which is compiled from hospital discharges, emergency room visits, and outpatient surgery records that are reported to the Department of Health and Senior Services by state law. The reporting requirements for the PAS have been in place in Missouri continuously since 1993. In some instances, certain data values in the patient record are missing or miscoded. Visits with missing or miscoded data values are included in the statewide totals, but may not be included within the displayed categories of certain variables (e.g., race, county of residence). Thus, a total of all categories of a variable may not equal the statewide total for that variable. Patients with a missing state of residence were deleted from the analysis file. Those visit records identified as Missouri residents, but missing a county identifier, are included in the statewide totals only.

SIGNIFICANCE

Today most American children enjoy excellent oral health. Poor oral health is found primarily among children living in poverty, some racial/ethnic minority populations, disabled children, and children with HIV infection. Tooth decay remains one of the most common diseases of childhood – 5 times as common as asthma and 7 times as common as hay fever. More than half of children aged 5-9 have had at least one cavity or filling; 78 percent of 17-year-olds have experienced tooth decay. By age 17, more than 7 percent of children have lost at least one permanent tooth to decay. Injuries to children, intentional and non-intentional, often involve trauma to the head, neck, and mouth. The leading causes of oral and head injuries are sports, violence, falls, and motor vehicle crashes. One in four American children are born into poverty (annual income of \$17,000 or less for a family of four). Children and adolescents living in poverty suffer twice as much tooth decay as their more affluent peers, and their disease is more likely to go untreated. Children from families without medical insurance are 2.5 times less likely than insured children to receive dental care. Children from families without dental insurance are 3 times more likely than insured children to have unmet dental needs. For every child without medical insurance, there are 2.6 who lack dental insurance.

PERFORMANCE MEASURE:

The incidence of domestic violence per 100,000 population.

STATUS:

Active

GOAL

To reduce the incidence of domestic violence per 100,000 population.

DEFINITION

Domestic violence incidents are reported whether or not an arrest is made and include any dispute arising between spouses, former spouses, persons with child(ren) in common regardless of whether they reside together, persons related by blood, persons related by marriage, non-married persons currently residing together, and non-married persons who have resided together in the past. Domestic violence incidents are reported when an officer believes a dispute crosses an abuse threshold as indicated by harassment, stalking, coercion, assault, sexual assault, battery, or unlawful imprisonment. Domestic violence incidents are reported by the highest ranked relationship between victim and offender, regardless of the number of persons or potential multiple relationships present during an incident.

Numerator:

Number of incidents reported through the Uniform Crime Reporting Program.

Denominator:

State population estimate.

Units: 100000 **Text:** Rate**HEALTHY PEOPLE 2010 OBJECTIVE**

N/A

DATA SOURCES AND DATA ISSUES

The Missouri Uniform Crime Reporting Program does not require law enforcement agencies to report victim / offender relationships in domestic violence incidents. For this reason, the sum of the victim / offender relationship may not equal total domestic violence incidents. This measure does not include incidents between persons who are or who have been in a continuing social relationship of a romantic nature with the victim.

SIGNIFICANCE

Domestic violence is now clearly recognized as criminal behavior, but is often minimized within the context of parenting. This impact is pervasive in nature and has both direct and indirect effects on women and children. Living with violence terrorizes children and presents a formidable barrier to women's resources and confidence to meet their children's needs. The dynamic of interpersonal violence contradicts the fundamental principles of mutual respect, trust, equality and cooperation required for effective co-parenting.

PERFORMANCE MEASURE:

Percent of women 18-44 years of age who reported frequent mental distress (FDM) for fourteen or more days during the past thirty days their mental health was not good.

STATUS:

Active

GOAL

To reduce the percent of women of childbearing age who report poor mental health.

DEFINITION

Poor mental health is defined as an individual's mental health, which includes stress, depression, and problems with emotions, reported as mental health not good on fourteen or more days during the past thirty days. (BRFSS)

Numerator:

Number of women 18-44 years of age who reported that on fourteen or more days during the past thirty days their mental health was not good.

Denominator:

Number of respondents who were women 18-44 years excluding respondents who were women 18-44 years with do not know/refused or with missing responses.

Units: 100 **Text:** Percent

HEALTHY PEOPLE 2010 OBJECTIVE

N/A

DATA SOURCES AND DATA ISSUES

The Behavioral Risk Factor Surveillance System conducted by the Department of Health and Senior Services annually. The limitations of this data include bias introduced by the BRFSS methodology, and statistical issues related to sample sizes. BRFSS limitations include bias introduced by relying on telephone interviews (excluding households without telephones, individuals with hearing, speech, cognitive, or other communication impairments or who are institutionalized) (Hough, 1999) and the exclusion of persons < 18 years. All data collected by the BRFSS are based on self-reports from the respondents. By its nature, self-reported data may be subject to error for several reasons. An individual may have difficulty remembering events that occurred a long time ago or the frequency of certain behaviors. Some respondents may overreport socially desirable behaviors, while underreporting behaviors they perceive to be less acceptable.

SIGNIFICANCE

Providing continuous care and attention of children is a demanding task, and poor mental health in mothers might be expected to have adverse consequences on their children's health and development. Several studies in wealthy countries provide compelling evidence that postnatal depression is associated with long-term emotional, cognitive, and behavioral problems in children.

PERFORMANCE MEASURE:

Percent of special needs children ages 3-5 enrolled in public preschool programs.

STATUS:

Active

GOAL

Increase the percent of special needs children ages 3-5 who are enrolled in special public preschool programs.

DEFINITION

A special need child is defined as having been diagnosed with one of the following: mental retardation, autism, emotional disturbance, speech or language impairment, orthopedic impairment, visual impairment, hearing impairment, brain injuries, or specific learning disabilities.

Numerator:

The number of children ages 3-5 enrolled in public preschool programs during the specified year who are identified as having special needs.

Denominator:

Total resident population of children ages 3-5 during the specified school year (State population estimate).

Units: 100 **Text:** Percent

HEALTHY PEOPLE 2010 OBJECTIVE

N/A

DATA SOURCES AND DATA ISSUES

The data is provided by the Missouri Department of Elementary and Secondary Education (DESE). The numerator includes children who are parentally placed in private schools who are receiving special education services through public schools. The denominator does not include these children. In districts with large number of private school kids, this inflates the incidence rate. DESE will probably change the formulation so that private school students are separated from the public school students with disabilities.

SIGNIFICANCE

During the past six school years (1998-2004), DESE has sponsored the Missouri Preschool Exit Assessment Project, in which public preschool teachers have assessed their exiting preschoolers using the School Entry Profile measurement instrument. This instrument consists of 65 items that reflect important entry-level skills, knowledge, behaviors, and dispositions, including symbolic development, communication, mathematical/physical knowledge, working with others, learning to learn, physical development, and conventional knowledge. The results of the project have consistently shown a significant improvement in physical and mental development among disabled and healthy children who were enrolled in preschool when compared to children entering kindergarten without preschool experience, using the same School Entry Profile instrument (Pfannenstiel 2002, 2003, 2004). Young children with disabilities benefit from enrollment in preschool during the critical early childhood years. The Missouri Department of Health and Senior Services will use an early childhood performance measure to ensure these children are receiving a proper education.

PERFORMANCE MEASURE:	Percent of children ages 0-19 years old who received health care at a FQHC.
STATUS:	Active
GOAL	To increase the percent of children ages 0-19 years old who received health care at a FQHC.
DEFINITION	<p>The percent of children ages 0-19 who received care at Federally Qualified Health Care Centers (FQHC).</p> <p>Numerator: Number of children ages 0-19 years old who received health care at a FQHC.</p> <p>Denominator: Number of children ages 0-19 years old.</p> <p>Units: 100 Text: Percent</p>
HEALTHY PEOPLE 2010 OBJECTIVE	N/A
DATA SOURCES AND DATA ISSUES	Uniform Data System data are obtained from Office of Primary care and Rural Health supported health centers.
SIGNIFICANCE	The avoidance of the health and financial costs of long-term disability is the goal of early health care visits and prevention-oriented services that provide early identification of conditions that can impede children's natural growth and development.

FORM 17
HEALTH SYSTEMS CAPACITY INDICATORS
FORMS FOR HSCI 01 THROUGH 04, 07 & 08 - MULTI-YEAR DATA
STATE: MO

Form Level Notes for Form 17

None

HEALTH SYSTEMS CAPACITY MEASURE # 01

The rate of children hospitalized for asthma (ICD-9 Codes: 493.0 -493.9) per 10,000 children less than five years of age.

	Annual Indicator Data				
	2005	2006	2007	2008	2009
Annual Indicator	34.6	36.4	31.6	35.2	35.2
Numerator	1,326	1,406	1,245	1,406	1,406
Denominator	383,096	386,752	393,940	399,450	399,450

Check this box if you cannot report the numerator because
 1. There are fewer than 5 events over the last year, and
 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied.

(Explain data in a year note. See Guidance, Appendix IX.)

Is the Data Provisional or Final?

Final

Provisional

Field Level Notes

1. Section Number: Form17_Health Systems Capacity Indicator #01

Field Name: HSC01

Row Name:

Column Name:

Year: 2009

Field Note:

Source: Numerator is from DHSS patient abstract system, inpatient hospitalization data. 2008 data used as proxy for 2009. 2009 Final hospital discharge information will be available April 2011.

Population estimate for 2008 is used as proxy for 2009 denominator, obtained from Missouri Information for Community Assessment (MICA)-Population. Final population information available November 2010.

2. Section Number: Form17_Health Systems Capacity Indicator #01

Field Name: HSC01

Row Name:

Column Name:

Year: 2008

Field Note:

Source: Numerator is from DHSS patient abstract system, inpatient hospitalization data. Provisional 2007 used as proxy for 2008. Final hospital discharge information & 2008 population will be available November 2009.

Population estimate for 2007 is used as proxy for 2008 denominator, obtained from Missouri Information for Community Assessment (MICA)-Population.

3. Section Number: Form17_Health Systems Capacity Indicator #01

Field Name: HSC01

Row Name:

Column Name:

Year: 2007

Field Note:

Source: Missouri Information for Community Assessment (MICA) - Inpatient Hospitalization, and the Bureau of Health Informatics, MO DHSS. 2007 data will be available in December 2008, and 2006 data are used as proxy for 2007.

HEALTH SYSTEMS CAPACITY MEASURE # 02

The percent Medicaid enrollees whose age is less than one year during the reporting year who received at least one initial periodic screen.

	Annual Indicator Data				
	2005	2006	2007	2008	2009
Annual Indicator	<u>91.9</u>	<u>92.8</u>	<u>90.8</u>	<u>90.7</u>	<u>91.3</u>
Numerator	<u>34,465</u>	<u>40,497</u>	<u>40,857</u>	<u>41,175</u>	<u>40,776</u>
Denominator	<u>37,488</u>	<u>43,619</u>	<u>44,982</u>	<u>45,389</u>	<u>44,674</u>

Check this box if you cannot report the numerator because
 1. There are fewer than 5 events over the last year, and
 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied.

(Explain data in a year note. See Guidance, Appendix IX.)

Is the Data Provisional or Final?

Final

Final

Field Level Notes

1. **Section Number:** Form17_Health Systems Capacity Indicator #02

Field Name: HSC02

Row Name:

Column Name:

Year: 2009

Field Note:

Source: Division of Medical Services, MO HealthNet, Department of Social Services. Numerator is number of Medicaid enrollees (including SCHIP) age less than one year in FFY 2009 who received at least 1 periodic screen. Denominator is number of Medicaid enrollees (including SCHIP) whose age is less than one year in FFY 2009.

2. **Section Number:** Form17_Health Systems Capacity Indicator #02

Field Name: HSC02

Row Name:

Column Name:

Year: 2008

Field Note:

Source: Division of Medical Services, MO HealthNet, Department of Social Services. Numerator is number of MO HealthNet (Medicaid) enrollees (including SCHIP) age less than one year in FFY 2008 who received at least 1 periodic screen. Denominator is number of MO HealthNet enrollees (including SCHIP) whose age is less than one year in FFY 2008.

3. **Section Number:** Form17_Health Systems Capacity Indicator #02

Field Name: HSC02

Row Name:

Column Name:

Year: 2007

Field Note:

Source: MO HealthNet Division, Missouri Department of Social Services.

Numerator is the number of Medicaid enrollees (including SCHIP) whose age is less than one year in FFY 2007 who received at least one initial or periodic screen. Denominator is the number of Medicaid enrollees (including SCHIP) whose age is less than one year in FFY 2007.

HEALTH SYSTEMS CAPACITY MEASURE # 03

The percent State Childrens Health Insurance Program (SCHIP) enrollees whose age is less than one year during the reporting year who received at least one periodic screen.

	Annual Indicator Data				
	2005	2006	2007	2008	2009
Annual Indicator	<u>91.9</u>	<u>92.8</u>	<u>90.8</u>	<u>90.8</u>	<u>91.0</u>
Numerator	<u>4,879</u>	<u>582</u>	<u>433</u>	<u>442</u>	<u>537</u>
Denominator	<u>5,307</u>	<u>627</u>	<u>477</u>	<u>487</u>	<u>590</u>

Check this box if you cannot report the numerator because
 1. There are fewer than 5 events over the last year, and
 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied.

(Explain data in a year note. See Guidance, Appendix IX.)

Is the Data Provisional or Final?

Final

Final

Field Level Notes

1. **Section Number:** Form17_Health Systems Capacity Indicator #03

Field Name: HSC03

Row Name:

Column Name:

Year: 2009

Field Note:

Source: MO HealthNet Division, Department of Social Services. Denominator is final 2009 number of SCHIP enrollees <1 year of age in FFY 2009. Numerator is SCHIP enrollees under one year who received at least one periodic screen in FFY 2009.

2. **Section Number:** Form17_Health Systems Capacity Indicator #03

Field Name: HSC03

Row Name:

Column Name:

Year: 2008

Field Note:

Source: MO HealthNet Division, Department of Social Services. Revised in 2006 to reflect more accurate percentage. Denominator is final 2008 number of SCHIP enrollees <1 year of age in FFY 2008. MO HealthNet tracks only total (MO HealthNet clients plus SCHIP) EPSDT numbers but does not track SCHIP EPSDT numbers for this age group. Numerator estimate is multiplication of the number of MO HealthNet (including SCHIP) enrollees <1 year who received at least 1 screen (41,175) from HSI #2 by the percent of SCHIP enrollees under 1 year ($487/45,389=0.0107$, FFY 2008).

3. **Section Number:** Form17_Health Systems Capacity Indicator #03

Field Name: HSC03

Row Name:

Column Name:

Year: 2007

Field Note:

Source: MO HealthNet Division, Missouri Department of Social Services.

The method to determine denominator and numerator for this measure was revised to reflect more accurate information on SCHIP. The denominator is the number of SCHIP enrollees less than one year of age in FFY 2007. MO HealthNet only tracks total HealthNet (Medicaid including SCHIP) EPSDT numbers for children under one year of age, but does not track SCHIP EPSDT numbers for this age group. Therefore, the numerator is estimated by multiplying the number of Medicaid (including SCHIP) enrollees under one year of age who received at least one initial periodic screen (40,857 in FFY 2007, HSCI #2) by the proportion of SCHIP enrollees under one year of age among the total number of Medicaid (including SCHIP) enrollees under one year of age ($477 / 44,982 = 0.0106$, FFY 2007).

2006 denominator and numerator were also changed based on the revised method.

HEALTH SYSTEMS CAPACITY MEASURE # 04

The percent of women (15 through 44) with a live birth during the reporting year whose observed to expected prenatal visits are greater than or equal to 80 percent on the Kotelchuck Index.

		Annual Indicator Data			
	2005	2006	2007	2008	2009
Annual Indicator	<u>79.2</u>	<u>77.2</u>	<u>75.2</u>	<u>74.3</u>	<u>75.5</u>
Numerator	<u>62,177</u>	<u>62,764</u>	<u>61,545</u>	<u>60,141</u>	<u>59,366</u>
Denominator	<u>78,547</u>	<u>81,353</u>	<u>81,883</u>	<u>80,944</u>	<u>78,631</u>
Check this box if you cannot report the numerator because 1. There are fewer than 5 events over the last year, and 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied. (Explain data in a year note. See Guidance, Appendix IX.)					
Is the Data Provisional or Final?				Final	Provisional

Field Level Notes**1. Section Number:** Form17_Health Systems Capacity Indicator #04**Field Name:** HSC04**Row Name:****Column Name:****Year:** 2009**Field Note:**

Source: Birth Data, DHSS Vital Statistics. 2009 provisional data as of April 2010. Final birth information will be available November 2010.

Numbers for 2008 are updated with 2008 final data.

Similar to the pattern observed for early prenatal care (PNC) in MO, the percentage of adequate PNC based on the Kotelchuck Index slightly increased in 2009 (provisional) compared with the figure in 2008.

2. Section Number: Form17_Health Systems Capacity Indicator #04**Field Name:** HSC04**Row Name:****Column Name:****Year:** 2008**Field Note:**

Source: Birth Data, DHSS Vital Statistics. 2008 provisional data as of April 2009. Final birth information will be available October 2009.

MO experienced a slight but noticeable decline in this measure in the past three years 2006-08. The decline was slightly larger for the Medicaid population than for the non-Medicaid population. This decline is attributable to a lack of OB health care providers, especially in the southeast segment of the state and those willing to serve the Medicaid population. In addition, it appears that OB providers utilizing a software program for prenatal visits are transferring records to the anticipated birth hospitals earlier in the pregnancy (i.e.: 36 weeks) and fail to send subsequent visits giving the appearance an inadequate number of prenatal visits occurred. Adequate prenatal care (PNC) followed the similar pattern observed for early PNC. MO will continue to investigate the effect of this practice.

As explained for the National Performance Measure #18 - early PNC, more recent changes to welfare and Medicaid policy might limit further improvements in adequate PNC. Change in reporting system might also be a factor.

3. Section Number: Form17_Health Systems Capacity Indicator #04**Field Name:** HSC04**Row Name:****Column Name:****Year:** 2007**Field Note:**

Source: Missouri Information for Community Assessment (MICA) - Births and the Bureau of Health Informatics, MO DHSS. 2007 provisional data as of April 28, 2008. 2007 final birth data will be available in October 2008.

HEALTH SYSTEMS CAPACITY MEASURE # 07A

Percent of potentially Medicaid-eligible children who have received a service paid by the Medicaid Program.

	Annual Indicator Data				
	2005	2006	2007	2008	2009
Annual Indicator	<u>80.0</u>	<u>79.7</u>	<u>79.2</u>	<u>79.1</u>	<u>80.3</u>
Numerator	<u>356,000</u>	<u>358,000</u>	<u>361,000</u>	<u>412,000</u>	<u>354,000</u>
Denominator	<u>445,000</u>	<u>449,000</u>	<u>456,000</u>	<u>521,000</u>	<u>441,000</u>

Check this box if you cannot report the numerator because
 1. There are fewer than 5 events over the last year, and
 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied.

(Explain data in a year note. See Guidance, Appendix IX.)

Is the Data Provisional or Final?

Final

Final

Field Level Notes**1. Section Number:** Form17_Health Systems Capacity Indicator #07A**Field Name:** HSC07A**Row Name:****Column Name:****Year:** 2009**Field Note:**

Accurate number of potentially Medicaid-eligible children is not available. Estimates of denominator and numerator are obtained from 2009 Current Population Survey Table Creator on the US Census Bureau website: http://www.census.gov/hhes/www/cpstc/cps_table_creator

Numerator = Number of kids ages 0-17, below 300% FPL, and on Medicaid.

Denominator = Number of kids ages 0-17, below 300% FPL, and on Medicaid + Number of kids of ages 0-17, below 300% FPL, and not on Medicaid (uninsured). Current Population Survey in 2009 represents 2008 data.

2. Section Number: Form17_Health Systems Capacity Indicator #07A**Field Name:** HSC07A**Row Name:****Column Name:****Year:** 2008**Field Note:**

Accurate number of potentially MO HealthNet (Medicaid) eligible children is not available. Estimate of denominator and numerator are from US Census, Current Population Survey, Annual Social & Economic Supplement, 2008. Source: <http://www.census.gov/cgi-bin/broker>.

Numerator is children age 17 years and under below 300% of FPL with MO HealthNet coverage. Denominator is number of children age 0-17, below 300% FPL with MO HealthNet coverage plus children age 0-17, below 300% FPL and not covered by Mo HealthNet (uninsured).

3. Section Number: Form17_Health Systems Capacity Indicator #07A**Field Name:** HSC07A**Row Name:****Column Name:****Year:** 2007**Field Note:**

Accurate number of potentially Medicaid-eligible children is not available. Estimates of denominator and numerator are obtained from Current Population Survey Table Creator on the Census Bureau website: http://www.census.gov/hhes/www/cpstc/cps_table_creator.html

Numerator = Number of kids of ages 0-17, below 300% FPL, and on Medicaid.

Denominator = Number of kids of ages 0-17, below 300% FPL, and on Medicaid + Number of kids of ages 0-17, below 300% FPL, and not on Medicaid (uninsured).

HEALTH SYSTEMS CAPACITY MEASURE # 07B

The percent of EPSDT eligible children aged 6 through 9 years who have received any dental services during the year.

	Annual Indicator Data				
	2005	2006	2007	2008	2009
Annual Indicator	<u>33.7</u>	<u>35.0</u>	<u>38.3</u>	<u>37.5</u>	<u>41.3</u>
Numerator	<u>43,175</u>	<u>45,850</u>	<u>47,818</u>	<u>47,298</u>	<u>54,115</u>
Denominator	<u>128,262</u>	<u>131,054</u>	<u>124,885</u>	<u>126,014</u>	<u>130,996</u>

Check this box if you cannot report the numerator because
 1. There are fewer than 5 events over the last year, and
 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied.

(Explain data in a year note. See Guidance, Appendix IX.)

Is the Data Provisional or Final?

Final

Final

Field Level Notes

1. **Section Number:** Form17_Health Systems Capacity Indicator #07B

Field Name: HSC07B

Row Name:

Column Name:

Year: 2009

Field Note:

Source: MO HealthNet Division, Department of Social Services. Numerator is the number of EPSDT eligible children age 6-9 years receiving any dental services in FFY 2009. Denominator is the number of children age 6-9 years eligible for EPSDT in FFY 2009.

2. **Section Number:** Form17_Health Systems Capacity Indicator #07B

Field Name: HSC07B

Row Name:

Column Name:

Year: 2008

Field Note:

Source: MO HealthNet Division, Department of Social Services. Numerator is the number of EPSDT eligible children age 6-9 years receiving any dental services in FFY 2008. Denominator is the number of children age 6-9 years eligible for EPSDT in FFY 2008.

MO experienced a decline in this measure as compared to 2007, yet the rate remains higher than 2004 through 2006. It is anticipated this rate will continue to rise in the future based on the fact Medicaid requires all of their Managed Care Plans to conduct a performance improvement project on improving this rate for all children enrolled.

3. **Section Number:** Form17_Health Systems Capacity Indicator #07B

Field Name: HSC07B

Row Name:

Column Name:

Year: 2007

Field Note:

Source: MO HealthNet Division, Missouri Department of Social Services.

Numerator is the number of EPSDT eligible children aged 6-9 years receiving any dental services in FFY 2007. Denominator is the number of children aged 6-9 years eligible for EPSDT in FFY 2007.

HEALTH SYSTEMS CAPACITY MEASURE # 08

The percent of State SSI beneficiaries less than 16 years old receiving rehabilitative services from the State Children with Special Health Care Needs (CSHCN) Program.

	Annual Indicator Data				
	2005	2006	2007	2008	2009
Annual Indicator	<u>73.6</u>	<u>84.4</u>	<u>81.4</u>	<u>81.6</u>	<u>84.0</u>
Numerator	<u>14,308</u>	<u>14,434</u>	<u>14,421</u>	<u>14,668</u>	<u>15,588</u>
Denominator	<u>19,451</u>	<u>17,109</u>	<u>17,727</u>	<u>17,979</u>	<u>18,549</u>

Check this box if you cannot report the numerator because
 1. There are fewer than 5 events over the last year, and
 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied.

(Explain data in a year note. See Guidance, Appendix IX.)

Is the Data Provisional or Final?

Final

Final

Field Level Notes

1. **Section Number:** Form17_Health Systems Capacity Indicator #08

Field Name: HSC08

Row Name:

Column Name:

Year: 2009

Field Note:

Denominator is number of Missouri SSI recipients under age 16 years as of December 2009. Source: Social Security Administration Supplemental Security Record. <http://www.hrtw.org/youth/data>

Numerator is the number of Missouri Medicaid enrollees referred for SSI supported rehab services as of December 2009 under age 16.

2. **Section Number:** Form17_Health Systems Capacity Indicator #08

Field Name: HSC08

Row Name:

Column Name:

Year: 2008

Field Note:

Denominator is number of Missouri SSI recipients under age 16 years as of December 2008. Source: Social Security Administration Supplemental Security Record. <http://www.hrtw.org/youth/data/html.#ssi>

Numerator is the number of Missouri MO HealthNet enrollees referred for SSI supported rehab services as of December 2008 under age 16.

3. **Section Number:** Form17_Health Systems Capacity Indicator #08

Field Name: HSC08

Row Name:

Column Name:

Year: 2007

Field Note:

Denominator is the number of SSI recipients under 16 years old in Missouri, December 2007. Source: Social Security Administration, Supplemental Security Record, available at <http://www.hrtw.org/youth/data.html#ssi>

Numerator is the number of Missouri Medicaid recipients <16 years of age who are referred for SSI supported rehabilitative services as of December 31, 2007. Source: Missouri Department of Social Services, Research and Evaluation Unit.

Annual indicator for 2006 was revised based on the denominator the number of SSI recipients under 16 years old in Missouri, December 2006. Source: Social Security Administration, Supplemental Security Record. The indicator 2005 and earlier was based on the denominator for ages under 18 years. Therefore the percents for 2007 and 2006 are not comparable with those for 2005 and earlier.

FORM 18
HEALTH SYSTEMS CAPACITY INDICATOR #05
(MEDICAID AND NON-MEDICAID COMPARISON)
STATE: MO

INDICATOR #05 <i>Comparison of health system capacity indicators for Medicaid, non-Medicaid, and all MCH populations in the State</i>	YEAR	DATA SOURCE	POPULATION		
			MEDICAID	NON-MEDICAID	ALL
a) <i>Percent of low birth weight (< 2,500 grams)</i>	2009	Payment source from birth certificate	<u>9.6</u>	<u>6.6</u>	<u>8.1</u>
b) <i>Infant deaths per 1,000 live births</i>	2009	Matching data files	<u>8.6</u>	<u>5.1</u>	<u>7.1</u>
c) <i>Percent of infants born to pregnant women receiving prenatal care beginning in the first trimester</i>	2009	Payment source from birth certificate	<u>77.7</u>	<u>91.3</u>	<u>84.2</u>
d) <i>Percent of pregnant women with adequate prenatal care (observed to expected prenatal visits is greater than or equal to 80% [Kotelchuck Index])</i>	2009	Payment source from birth certificate	<u>68.9</u>	<u>82.5</u>	<u>75.5</u>

FORM 18
HEALTH SYSTEMS CAPACITY INDICATOR #06(MEDICAID ELIGIBILITY LEVEL)
STATE: MO

INDICATOR #06 <i>The percent of poverty level for eligibility in the State's Medicaid programs for infants (0 to 1), children, Medicaid and pregnant women.</i>	YEAR	PERCENT OF POVERTY LEVEL MEDICAID (Valid range: 100-300 percent)
a) <i>Infants (0 to 1)</i>	2009	<div style="text-align: right;">185</div>
b) <i>Medicaid Children</i> (Age range <div style="display: inline-block; width: 40px; border-bottom: 1px solid black; text-align: center;">1</div> to <div style="display: inline-block; width: 40px; border-bottom: 1px solid black; text-align: center;">5</div>) (Age range <div style="display: inline-block; width: 40px; border-bottom: 1px solid black; text-align: center;">6</div> to <div style="display: inline-block; width: 40px; border-bottom: 1px solid black; text-align: center;">18</div>) (Age range <div style="display: inline-block; width: 40px; border-bottom: 1px solid black; text-align: center;"></div> to <div style="display: inline-block; width: 40px; border-bottom: 1px solid black; text-align: center;"></div>)	2009	<div style="text-align: right;">133</div> <div style="text-align: right;">100</div>
c) <i>Pregnant Women</i>	2009	<div style="text-align: right;">185</div>

FORM 18
HEALTH SYSTEMS CAPACITY INDICATOR #06(SCHIP ELIGIBILITY LEVEL)
STATE: MO

INDICATOR #06 <i>The percent of poverty level for eligibility in the State's SCHIP programs for infants (0 to 1), children, SCHIP and pregnant women.</i>	YEAR	PERCENT OF POVERTY LEVEL SCHIP
a) <i>Infants (0 to 1)</i>	2009	<div style="text-align: right;">300</div>
b) <i>Medicaid Children</i> (Age range <div style="display: inline-block; width: 40px; border-bottom: 1px solid black; text-align: center;">1</div> to <div style="display: inline-block; width: 40px; border-bottom: 1px solid black; text-align: center;">5</div>) (Age range <div style="display: inline-block; width: 40px; border-bottom: 1px solid black; text-align: center;">6</div> to <div style="display: inline-block; width: 40px; border-bottom: 1px solid black; text-align: center;">18</div>) (Age range <div style="display: inline-block; width: 40px; border-bottom: 1px solid black; text-align: center;"></div> to <div style="display: inline-block; width: 40px; border-bottom: 1px solid black; text-align: center;"></div>)	2009	<div style="text-align: right;">300</div> <div style="text-align: right;">300</div> <div style="text-align: right;"></div>
c) <i>Pregnant Women</i>	2009	<div style="text-align: right;">185</div>

FORM NOTES FOR FORM 18

Source: DHSS Vital Statistics. Total column percentages based on provisional 2009 birth data as of April, 2010. Final numbers will be available November, 2010.

FIELD LEVEL NOTES

1. **Section Number:** Form18_Indicator 05
Field Name: LowBirthWeight
Row Name: Percent of ow birth weight (<2,500 grams)
Column Name:
Year: 2011
Field Note:
Source: DHSS Vital Statistics. Provisional 2009 birth data as of May 2010. Final numbers will be available November 2010.
2. **Section Number:** Form18_Indicator 05
Field Name: InfantDeath
Row Name: Infant deaths per 1,000 live births
Column Name:
Year: 2011
Field Note:
Source: DHSS Vital Statistics. Provisional 2009 birth data as of May 2010. Final numbers will be available November 2010.
3. **Section Number:** Form18_Indicator 05
Field Name: CareFirstTrimester
Row Name: Percent of infants born to pregnant women receiving prenatal care beginning in the first trimester
Column Name:
Year: 2011
Field Note:
Source: DHSS Vital Statistics. Provisional 2009 birth data as of May 2010. Final numbers will be available November 2010.
4. **Section Number:** Form18_Indicator 05
Field Name: AdequateCare
Row Name: Percent of pregnant women with adequate prenatal care
Column Name:
Year: 2011
Field Note:
Source: DHSS Vital Statistics. Provisional 2009 birth data as of May 2010. Final numbers will be available November 2010.

FORM 19
HEALTH SYSTEMS CAPACITY INDICATOR - REPORTING AND TRACKING FORM
STATE: MO

HEALTH SYSTEMS CAPACITY INDICATOR #09A (General MCH Data Capacity)
(The Ability of the State to Assure MCH Program Access to Policy and Program Relevant Information)

DATABASES OR SURVEYS	Does your MCH program have the ability to obtain data for program planning or policy purposes in a timely manner? (Select 1 - 3) *	Does your MCH program have Direct access to the electronic database for analysis? (Select Y/N)
ANNUAL DATA LINKAGES		
Annual linkage of infant birth and infant death certificates	3	No
Annual linkage of birth certificates and Medicaid Eligibility or Paid Claims Files	3	No
Annual linkage of birth certificates and WIC eligibility files	2	No
Annual linkage of birth certificates and newborn screening files	2	No
REGISTRIES AND SURVEYS		
Hospital discharge survey for at least 90% of in-State discharges	3	No
Annual birth defects surveillance system	2	No
Survey of recent mothers at least every two years (like PRAMS)	3	Yes

*Where:
1 = No, the MCH agency does not have this ability.
2 = Yes, the MCH agency sometimes has this ability, but not on a consistent basis.
3 = Yes, the MCH agency always has this ability.

FORM 19
HEALTH SYSTEMS CAPACITY INDICATOR - REPORTING AND TRACKING FORM
STATE: MO

DATA SOURCES	Does your state participate in the YRBS survey? (Select 1 - 3)*	Does your MCH program have direct access to the state YRBS database for analysis? (Select Y/N)
Youth Risk Behavior Survey (YRBS)	3	No
Other: Pediatric Nutrition Surveillance System (PedNSS)	3	Yes
WIC Program data	3	Yes
Pregnancy Risk Assessment Monitoring System (PRAM)	3	Yes
*Where: 1 = No 2 = Yes, the State participates but the sample size is <u>not</u> large enough for valid statewide estimates for this age group. 3 = Yes, the State participates and the sample size is large enough for valid statewide estimates for this age group.		
Notes:		
1. HEALTH SYSTEMS CAPACITY INDICATOR #09B was formerly reported as Developmental Health Status Indicator #05.		

FORM NOTES FOR FORM 19

None

FIELD LEVEL NOTES

1. **Section Number:** Form19_Indicator 09A
Field Name: BAD
Row Name: Annual linkage of infant birth and infant death certificates
Column Name:
Year: 2011
Field Note:
Linkage is performed continuously. Program staff and public have access to data from the linked birth and infant death certificates through web-based profile tools that are updated annually.
2. **Section Number:** Form19_Indicator 09A
Field Name: BAW
Row Name: Annual linkage of birth certificates and WIC eligibility files
Column Name:
Year: 2011
Field Note:
The WIC program has approved this linkage to occur. Plans for producing the matched file are in progress.
3. **Section Number:** Form19_Indicator 09A
Field Name: BAN
Row Name: Annual linkage of birth certificates and newborn screening files
Column Name:
Year: 2011
Field Note:
Linked birth certificate date for 2002-2004 and part of 2005 to newborn hearing screening data for 2004 and 2005. The 2006 newborn hearing screening linked to birth certificate data in 2008.
4. **Section Number:** Form19_Indicator 09A
Field Name: Discharge
Row Name: Hospital discharge survey for at least 90% of in-State discharges
Column Name:
Year: 2011
Field Note:
Comprehensive information on hospital discharge data is available to program staff and the public on web-based data query and profile tools.
5. **Section Number:** Form19_Indicator 09A
Field Name: BirthDefects
Row Name: Annual birth defects surveillance system
Column Name:
Year: 2011
Field Note:
A system was in place for annual data linkages through FFY 2004. Beginning in FFY 2005, the prior CDC grant was not awarded but linkages have continued as time and resources allow. Currently not funded for this activity.
6. **Section Number:** Form19_Indicator 09A
Field Name: RecentMother
Row Name: Survey of recent mothers at least every two years (like PRAMS)
Column Name:
Year: 2011
Field Note:
Started PRAMS in January 2007. The 2007- 2008 data is available for analysis.
The 2009 information will be available around December, 2010.
7. **Section Number:** Form19_Indicator 09A
Field Name: BAM
Row Name: Annual linkage of birth certificates and Medicaid Eligibility or Paid Claims Files
Column Name:
Year: 2011
Field Note:
Linkage is performed annually to produce Health Effectiveness Data & Information Set (HEDIS) indicators.

FORM 20
HEALTH STATUS INDICATORS #01-#05
MULTI-YEAR DATA
STATE: MO

Form Level Notes for Form 20

None

HEALTH STATUS INDICATOR MEASURE # 01A

The percent of live births weighing less than 2,500 grams.

	<u>Annual Indicator Data</u>				
	2005	2006	2007	2008	2009
Annual Indicator	8.1	8.1	7.9	8.1	8.1
Numerator	6,372	6,579	6,456	6,585	6,389
Denominator	78,549	81,353	81,883	80,944	78,631

Check this box if you cannot report the numerator because
 1. There are fewer than 5 events over the last year, and
 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied.

(Explain data in a year note. See Guidance, Appendix IX.)

Is the Data Provisional or Final?

Final

Provisional

Field Level Notes

1. Section Number: Form20_Health Status Indicator #01A

Field Name: HSI01A

Row Name:

Column Name:

Year: 2009

Field Note:

Source: Missouri Information for Community Assessment (MICA) - Births, DHSS Vital Statistics. 2009 provisional data as of April 2010. 2009 final birth data will be available in November 2010.

Numbers for 2008 are updated with 2008 final data.

2. Section Number: Form20_Health Status Indicator #01A

Field Name: HSI01A

Row Name:

Column Name:

Year: 2008

Field Note:

Source: Missouri Information for Community Assessment (MICA) - Births, DHSS Vital Statistics. 2008 provisional data as of April 2009 Final birth data will be available in October 2009.

3. Section Number: Form20_Health Status Indicator #01A

Field Name: HSI01A

Row Name:

Column Name:

Year: 2007

Field Note:

Source: Missouri Information for Community Assessment (MICA) - Births, and the Bureau of Health Informatics, MO DHSS. 2007 provisional data as of April 28, 2008. 2007 final birth data will be available in October 2008.

HEALTH STATUS INDICATOR MEASURE # 01B

The percent of live singleton births weighing less than 2,500 grams.

		Annual Indicator Data			
	2005	2006	2007	2008	2009
Annual Indicator	<u>6.3</u>	<u>6.3</u>	<u>6.2</u>	<u>6.4</u>	<u>6.3</u>
Numerator	<u>4,761</u>	<u>4,938</u>	<u>4,890</u>	<u>4,985</u>	<u>4,783</u>
Denominator	<u>75,805</u>	<u>78,577</u>	<u>79,204</u>	<u>78,162</u>	<u>75,936</u>
Check this box if you cannot report the numerator because 1. There are fewer than 5 events over the last year, and 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied. <i>(Explain data in a year note. See Guidance, Appendix IX.)</i>					
Is the Data Provisional or Final?				Final	Provisional

Field Level Notes**1. Section Number:** Form20_Health Status Indicator #01B**Field Name:** HSI01B**Row Name:****Column Name:****Year:** 2009**Field Note:**

Source: Missouri Information for Community Assessment (MICA) - Births, DHSS Vital Statistics. 2009 provisional data as of April 2010. 2009 final birth data will be available in November 2010.

Numbers for 2008 are updated with final 2008 data.

2. Section Number: Form20_Health Status Indicator #01B**Field Name:** HSI01B**Row Name:****Column Name:****Year:** 2008**Field Note:**

Source: Missouri Information for Community Assessment (MICA) - Births, DHSS Vital Statistics. 2008 provisional data as of April 2009 Final birth data will be available in October 2009.

3. Section Number: Form20_Health Status Indicator #01B**Field Name:** HSI01B**Row Name:****Column Name:****Year:** 2007**Field Note:**

Source: Missouri Information for Community Assessment (MICA) - Births and the Bureau of Health Informatics, MO DHSS. 2007 provisional data as of April 28, 2008. 2007 final birth data will be available in October 2008.

HEALTH STATUS INDICATOR MEASURE # 02A

The percent of live births weighing less than 1,500 grams.

	Annual Indicator Data				
	2005	2006	2007	2008	2009
Annual Indicator	<u>1.5</u>	<u>1.5</u>	<u>1.5</u>	<u>1.4</u>	<u>1.6</u>
Numerator	<u>1,196</u>	<u>1,190</u>	<u>1,242</u>	<u>1,159</u>	<u>1,237</u>
Denominator	<u>78,549</u>	<u>81,353</u>	<u>81,883</u>	<u>80,944</u>	<u>78,631</u>

Check this box if you cannot report the numerator because
 1. There are fewer than 5 events over the last year, and
 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied.

(Explain data in a year note. See Guidance, Appendix IX.)

Is the Data Provisional or Final?

Final

Provisional

Field Level Notes**1. Section Number:** Form20_Health Status Indicator #02A**Field Name:** HSI02A**Row Name:****Column Name:****Year:** 2009**Field Note:**

Source: Missouri Information for Community Assessment (MICA) - Births,
 DHSS Vital Statistics. 2009 provisional data as of April 2010. 2009 final birth data will be available in October 2010.

Numbers for 2008 are updated with 2008 final data.

2. Section Number: Form20_Health Status Indicator #02A**Field Name:** HSI02A**Row Name:****Column Name:****Year:** 2008**Field Note:**

Source: Missouri Information for Community Assessment (MICA) - Births,
 DHSS Vital Statistics. 2008 provisional data as of April 2009 Final birth data will be available in October 2009.

3. Section Number: Form20_Health Status Indicator #02A**Field Name:** HSI02A**Row Name:****Column Name:****Year:** 2007**Field Note:**

Source: Missouri Information for Community Assessment (MICA) - Births,
 and the Bureau of Health Informatics, MO DHSS. 2007 provisional data as of April 28, 2008. 2007 final birth data will be available in October 2008.

HEALTH STATUS INDICATOR MEASURE # 02B

The percent of live singleton births weighing less than 1,500 grams.

		Annual Indicator Data			
	2005	2006	2007	2008	2009
Annual Indicator	<u>1.1</u>	<u>1.1</u>	<u>1.1</u>	<u>1.1</u>	<u>1.2</u>
Numerator	<u>862</u>	<u>893</u>	<u>903</u>	<u>862</u>	<u>877</u>
Denominator	<u>75,805</u>	<u>78,577</u>	<u>79,204</u>	<u>78,162</u>	<u>75,936</u>
Check this box if you cannot report the numerator because 1. There are fewer than 5 events over the last year, and 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied. (Explain data in a year note. See Guidance, Appendix IX.)					
Is the Data Provisional or Final?				Final	Provisional

Field Level Notes**1. Section Number:** Form20_Health Status Indicator #02B**Field Name:** HSI02B**Row Name:****Column Name:****Year:** 2009**Field Note:**

Source: Missouri Information for Community Assessment (MICA) - Births, DHSS Vital Statistics. 2009 provisional data as of April 2010. Final birth data will be available in November, 2010.

Numbers for 2008 are updated with 2008 final data.

2. Section Number: Form20_Health Status Indicator #02B**Field Name:** HSI02B**Row Name:****Column Name:****Year:** 2008**Field Note:**

Source: Missouri Information for Community Assessment (MICA) - Births, DHSS Vital Statistics. 2008 provisional data as of April 2009. Final birth data will be available in October 2009.

3. Section Number: Form20_Health Status Indicator #02B**Field Name:** HSI02B**Row Name:****Column Name:****Year:** 2007**Field Note:**

Source: Missouri Information for Community Assessment (MICA) - Births and the Bureau of Health Informatics, MO DHSS. 2007 provisional data as of April 28, 2008. 2007 final birth data will be available in October 2008.

HEALTH STATUS INDICATOR MEASURE # 03A

The death rate per 100,000 due to unintentional injuries among children aged 14 years and younger.

	Annual Indicator Data				
	2005	2006	2007	2008	2009
Annual Indicator	<u>10.1</u>	<u>10.5</u>	<u>13.3</u>	<u>13.2</u>	<u>12.0</u>
Numerator	<u>114</u>	<u>123</u>	<u>155</u>	<u>155</u>	<u>140</u>
Denominator	<u>1,129,720</u>	<u>1,169,209</u>	<u>1,169,041</u>	<u>1,170,036</u>	<u>1,170,036</u>

Check this box if you cannot report the numerator because
 1. There are fewer than 5 events over the last year, and
 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied.

(Explain data in a year note. See Guidance, Appendix IX.)

Is the Data Provisional or Final?

Final

Provisional

Field Level Notes

1. Section Number: Form20_Health Status Indicator #03A

Field Name: HSI03A

Row Name:

Column Name:

Year: 2009

Field Note:

Source: Missouri Information for Community Assessment (MICA) - Deaths. DHSS Vital Statistics. Numerator includes motor vehicle accidents & all other unintentional injuries. 2009 provisional data as of April 2010. Final death data will be available in November 2010.

Denominator is population estimate from MICA tables-population.

The 2008 population being used as proxy for 2009. 2009 final population data will be available November 2010.

Numbers for 2008 are updated with 2008 final data.

2. Section Number: Form20_Health Status Indicator #03A

Field Name: HSI03A

Row Name:

Column Name:

Year: 2008

Field Note:

Source: Missouri Information for Community Assessment (MICA) - Deaths. DHSS Vital Statistics. Numerator includes motor vehicle accidents & all other unintentional injuries. 2008 provisional data as of April 2009. Final death data will be available in October 2009. Denominator is population estimate from MICA tables-population. 2007 being used as proxy for 2008. 2008 final population data will be available November 2009.

3. Section Number: Form20_Health Status Indicator #03A

Field Name: HSI03A

Row Name:

Column Name:

Year: 2007

Field Note:

Source: Missouri Information for Community Assessment (MICA) - Deaths, MICA - Population, and Bureau of Health Informatics, MO DHSS. Numerator is based on 2007 provisional death data as of April 28, 2008. Denominator population estimate for children <=14 years of age for 2007 is not available yet, and population estimate for 2006 is used as a proxy for 2007. 2007 final data will be available in November 2008.

HEALTH STATUS INDICATOR MEASURE # 03B

The death rate per 100,000 for unintentional injuries among children aged 14 years and younger due to motor vehicle crashes.

	Annual Indicator Data				
	2005	2006	2007	2008	2009
Annual Indicator	<u>3.7</u>	<u>3.6</u>	<u>3.7</u>	<u>3.1</u>	<u>2.7</u>
Numerator	<u>43</u>	<u>42</u>	<u>43</u>	<u>36</u>	<u>32</u>
Denominator	<u>1,162,408</u>	<u>1,161,209</u>	<u>1,169,041</u>	<u>1,170,036</u>	<u>1,170,036</u>

Check this box if you cannot report the numerator because
 1. There are fewer than 5 events over the last year, and
 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied.

(Explain data in a year note. See Guidance, Appendix IX.)

Is the Data Provisional or Final?

Final

Provisional

Field Level Notes

1. **Section Number:** Form20_Health Status Indicator #03B

Field Name: HSI03B

Row Name:

Column Name:

Year: 2009

Field Note:

Source: Missouri Information for Community Assessment (MICA) - Deaths. DHSS Vital Statistics. Numerator includes deaths due to motor vehicle accidents. 2009 provisional data as of April 2010. Final death data will be available in November 2010. Denominator is 2008 population estimate from MICA tables-population. 2008 being used as proxy for 2009. The 2009 final population data will be available November 2010.

Numbers for 2008 are updated with 2008 final data.

2. **Section Number:** Form20_Health Status Indicator #03B

Field Name: HSI03B

Row Name:

Column Name:

Year: 2008

Field Note:

Source: Missouri Information for Community Assessment (MICA) - Deaths. DHSS Vital Statistics. Numerator includes deaths due to motor vehicle accidents. 2008 provisional data as of April 2009. Final death data will be available in October 2009.

Denominator is population estimate from MICA tables-population. 2007 being used as proxy for 2008. 2008 final data will be available November 2009.

3. **Section Number:** Form20_Health Status Indicator #03B

Field Name: HSI03B

Row Name:

Column Name:

Year: 2007

Field Note:

Source: Missouri Information for Community Assessment (MICA) - Deaths, MICA - Population, and Bureau of Health Informatics, MO DHSS. Numerator is based on 2007 provisional death data as of April 28, 2008. Denominator population estimate for children <=14 years of age for 2007 is not available yet, and population estimate for 2006 is used as a proxy for 2007. 2007 final data will be available in November 2008.

HEALTH STATUS INDICATOR MEASURE # 03C

The death rate per 100,000 from unintentional injuries due to motor vehicle crashes among youth aged 15 through 24 years.

	Annual Indicator Data				
	2005	2006	2007	2008	2009
Annual Indicator	<u>40.6</u>	<u>36.1</u>	<u>30.7</u>	<u>29.8</u>	<u>23.6</u>
Numerator	<u>335</u>	<u>297</u>	<u>250</u>	<u>242</u>	<u>192</u>
Denominator	<u>824,951</u>	<u>823,814</u>	<u>813,974</u>	<u>811,896</u>	<u>811,896</u>

Check this box if you cannot report the numerator because
 1. There are fewer than 5 events over the last year, and
 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied.

(Explain data in a year note. See Guidance, Appendix IX.)

Is the Data Provisional or Final?

Final

Provisional

Field Level Notes

1. **Section Number:** Form20_Health Status Indicator #03C

Field Name: HSI03C

Row Name:

Column Name:

Year: 2009

Field Note:

Source: Missouri Information for Community Assessment (MICA) - Deaths. DHSS Vital Statistics. Numerator includes deaths due to motor vehicle accidents. The 2009 provisional data as of April 2010. Final death data will be available in November 2010. Denominator is 2008 population estimate from MICA tables-population. 2009 population data will be available November 2010.

Numbers for 2008 are updated with 2008 final data.

2. **Section Number:** Form20_Health Status Indicator #03C

Field Name: HSI03C

Row Name:

Column Name:

Year: 2008

Field Note:

Source: Missouri Information for Community Assessment (MICA) - Deaths. DHSS Vital Statistics. Numerator includes deaths due to motor vehicle accidents. 2008 provisional data as of April 2009 Final death data will be available in October 2009. Denominator is population estimate from MICA tables-population. 2007 being used as proxy for 2008. 2008 final data will be available November 2009.

3. **Section Number:** Form20_Health Status Indicator #03C

Field Name: HSI03C

Row Name:

Column Name:

Year: 2007

Field Note:

Source: Missouri Information for Community Assessment (MICA) - Deaths, MICA - Population, and Bureau of Health Informatics, MO DHSS. Numerator is based on 2007 provisional death data as of April 28, 2008. Denominator population estimate for youth 15-24 years of age for 2007 is not available yet and population estimate for 2006 is used as a proxy for 2007. 2007 final data will be available in November 2008.

HEALTH STATUS INDICATOR MEASURE # 04A

The rate per 100,000 of all nonfatal injuries among children aged 14 years and younger.

		Annual Indicator Data			
	2005	2006	2007	2008	2009
Annual Indicator	<u>204.2</u>	<u>197.5</u>	<u>199.9</u>	<u>177.4</u>	<u>177.4</u>
Numerator	<u>2,374</u>	<u>2,309</u>	<u>2,337</u>	<u>2,076</u>	<u>2,076</u>
Denominator	<u>1,162,408</u>	<u>1,169,209</u>	<u>1,169,041</u>	<u>1,170,036</u>	<u>1,170,036</u>
Check this box if you cannot report the numerator because 1. There are fewer than 5 events over the last year, and 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied. (Explain data in a year note. See Guidance, Appendix IX.)					
Is the Data Provisional or Final?				Final	Provisional

Field Level Notes**1. Section Number:** Form20_Health Status Indicator #04A**Field Name:** HSI04A**Row Name:****Column Name:****Year:** 2009**Field Note:**

Source: DHSS. Missouri Information for Community Assessment (MICA) - Injuries, Hospital Patient Abstract System(PAS), & MICA-Population. Numerator is 2008 injury data as a proxy for 2009. Final hospital data are available April 2011. Denominator is 2008 population estimate of children age 14 year & under, as a proxy for 2009. The 2009 population data will be available November 2010.

The numerator is estimated by taking number of inpatient hospitalizations for unintentional injuries minus the number died from the injuries among children aged <=14 years.

2. Section Number: Form20_Health Status Indicator #04A**Field Name:** HSI04A**Row Name:****Column Name:****Year:** 2008**Field Note:**

Source: DHSS. Missouri Information for Community Assessment (MICA) - Injuries, Patient Abstract System, & MICA-Population. Numerator is 2007 provisional injury data as a proxy for 2008. Denominator is population estimate of children age 14 year & under in 2007, as a proxy for 2008. 2008 data will be available November 2009.

The numerator is estimated by taking number of inpatient hospitalizations for unintentional injuries minus the number died from the injuries among children aged <=14 years.

3. Section Number: Form20_Health Status Indicator #04A**Field Name:** HSI04A**Row Name:****Column Name:****Year:** 2007**Field Note:**

Source: Missouri Information for Community Assessment (MICA) - Injury, MICA - Population, and Bureau of Health Informatics, MO DHSS. 2007 data are not available yet and 2006 data are used as proxy for 2007. 2007 final data will be available in December 2008.

The numerator is estimated by taking number of inpatient hospitalizations for unintentional injuries minus the number died from the injuries among children aged <=14 years.

HEALTH STATUS INDICATOR MEASURE # 04B

The rate per 100,000 of nonfatal injuries due to motor vehicle crashes among children aged 14 years and younger.

	Annual Indicator Data				
	2005	2006	2007	2008	2009
Annual Indicator	62.6	55.0	47.2	40.6	40.6
Numerator	728	643	552	475	475
Denominator	1,162,408	1,169,209	1,169,228	1,170,036	1,170,036

Check this box if you cannot report the numerator because
 1. There are fewer than 5 events over the last year, and
 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied.

(Explain data in a year note. See Guidance, Appendix IX.)

Is the Data Provisional or Final?

Final

Provisional

Field Level Notes

1. **Section Number:** Form20_Health Status Indicator #04B

Field Name: HSI04B

Row Name:

Column Name:

Year: 2009

Field Note:

Source: DHSS. Missouri Information for Community Assessment (MICA) - Injuries, Hospital Patient Abstract System (PAS), & MICA-Population. Numerator is 2008 injury data as a proxy for 2009. Final PAS data will be available on April 2011. Denominator is 2008 population estimate of children age 14 year & under as a proxy for 2009. The 2009 population data will be available November 2010.

The numerator is estimated by taking number of inpatient hospitalizations for unintentional injuries due to motor vehicle traffic and non-traffic crashes minus the number died from the injuries among children aged <=14 years.

2. **Section Number:** Form20_Health Status Indicator #04B

Field Name: HSI04B

Row Name:

Column Name:

Year: 2008

Field Note:

Source: DHSS. Missouri Information for Community Assessment (MICA) - Injuries, Patient Abstract System, & MICA-Population. Numerator is 2007 provisional injury data as a proxy for 2008. Denominator is population estimate of children age 14 year & under in 2007, as a proxy for 2008. 2008 data will be available November 2009.

The numerator is estimated by taking number of inpatient hospitalizations for unintentional injuries due to motor vehicle traffic and non-traffic crashes minus the number died from the injuries among children aged <=14 years.

3. **Section Number:** Form20_Health Status Indicator #04B

Field Name: HSI04B

Row Name:

Column Name:

Year: 2007

Field Note:

Source: Missouri Information for Community Assessment (MICA) - Injury, MICA - Population, and the Bureau of Health Informatics, MO DHSS. 2007 data are not available yet, and 2006 data are used as proxy for 2007. 2007 final data will be available in December 2008.

The numerator is estimated by taking number of inpatient hospitalizations for unintentional injuries due to motor vehicle traffic and non-traffic crashes minus the number died from the injuries among children aged <=14 years.

HEALTH STATUS INDICATOR MEASURE # 04C

The rate per 100,000 of nonfatal injuries due to motor vehicle crashes among youth aged 15 through 24 years.

	Annual Indicator Data				
	2005	2006	2007	2008	2009
Annual Indicator	254.6	252.8	218.9	203.6	203.6
Numerator	2,100	2,062	1,777	1,653	1,653
Denominator	824,951	815,536	811,739	811,896	811,896

Check this box if you cannot report the numerator because
 1. There are fewer than 5 events over the last year, and
 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied.

(Explain data in a year note. See Guidance, Appendix IX.)

Is the Data Provisional or Final?

Final

Provisional

Field Level Notes

1. **Section Number:** Form20_Health Status Indicator #04C

Field Name: HSI04C

Row Name:

Column Name:

Year: 2009

Field Note:

Source: DHSS. Missouri Information for Community Assessment (MICA) - Injuries, Hospital Patient Abstract System, & MICA-Population. Numerator is 2008 injury data as a proxy for 2009. Final PAS data will be available April 2011, Denominator is 2008 population estimate of youth aged 15-24 as a proxy for 2009. The 2009 population data will be available November 2010.

The numerator is estimated by taking number of inpatient hospitalizations for unintentional injuries due to motor vehicle traffic and non-traffic crashes minus the number died from the injuries among youth aged 15-24.

2. **Section Number:** Form20_Health Status Indicator #04C

Field Name: HSI04C

Row Name:

Column Name:

Year: 2008

Field Note:

Source: DHSS. Missouri Information for Community Assessment (MICA) - Injuries, Patient Abstract System, & MICA-Population. Numerator is 2007 provisional injury data as a proxy for 2008. Denominator is population estimate of youth aged 15-24 in 2007, as a proxy for 2008. 2008 data will be available November 2009.

The numerator is estimated by taking number of inpatient hospitalizations for unintentional injuries due to motor vehicle traffic and non-traffic crashes minus the number died from the injuries among youth aged 15-24.

3. **Section Number:** Form20_Health Status Indicator #04C

Field Name: HSI04C

Row Name:

Column Name:

Year: 2007

Field Note:

Source: Missouri Information for Community Assessment (MICA) - Injury, MICA - Population, and the Bureau of Health Informatics, MO DHSS. 2007 data are not available yet and 2006 data are used as proxy for 2007. 2007 final data will be available in December 2008.

The numerator is estimated by taking number of inpatient hospitalizations for unintentional injuries due to motor vehicle traffic and non-traffic crashes minus the number died from the injuries among youth aged 15-24 years.

HEALTH STATUS INDICATOR MEASURE # 05A

The rate per 1,000 women aged 15 through 19 years with a reported case of chlamydia.

		Annual Indicator Data			
	2005	2006	2007	2008	2009
Annual Indicator	<u>34.4</u>	<u>34.3</u>	<u>34.8</u>	<u>37.5</u>	<u>39.3</u>
Numerator	<u>6,856</u>	<u>6,909</u>	<u>7,027</u>	<u>7,549</u>	<u>7,922</u>
Denominator	<u>199,543</u>	<u>201,137</u>	<u>201,706</u>	<u>201,433</u>	<u>201,433</u>
Check this box if you cannot report the numerator because 1. There are fewer than 5 events over the last year, and 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied.					
(Explain data in a year note. See Guidance, Appendix IX.)					
Is the Data Provisional or Final?				Final	Final

Field Level Notes

1. **Section Number:** Form20_Health Status Indicator #05A

Field Name: HSI05A

Row Name:

Column Name:

Year: 2009

Field Note:

Source: DHSS Bureau of HIV, STD, & Hepatitis.

Denominator is 2008 population estimate for women age 15-19 years, obtained from MO DHSS (Missouri Information for Community Assessment) MICA-Population. 2009 population estimate will be available in November 2010. Numerator is from the Epidemiologic Profiles of HIV/AIDS and STDs in Missouri. Numerator is the number of reported cases in women ages 15-19 years in 2009. It is not the number of women with chlamydia diagnosis.

Denominator for 2008 is updated with 2008 population estimate.

2. **Section Number:** Form20_Health Status Indicator #05A

Field Name: HSI05A

Row Name:

Column Name:

Year: 2008

Field Note:

Source: DHSS Center for Disease Control & Environmental Epi Denominator is 2007 population estimate for women age 15-19 years, obtained from MO DHSS (Missouri Information for Community Assessment) MICA-Population. 2008 population estimate will be available in November 2009. Numerator is from the Epidemiologic Profiles of HIV/AIDS and STDs in Missouri. Numerator is the number of reported cases in women ages 15-19 years in 2008. It is not the number of women with chlamydia diagnosis.

3. **Section Number:** Form20_Health Status Indicator #05A

Field Name: HSI05A

Row Name:

Column Name:

Year: 2007

Field Note:

Numerator is obtained from the Epidemiologic Profiles of HIV/AIDS and STDs in Missouri; denominator population estimate for women aged 15-19 years in 2007 is not available yet, and the 2006 estimate is used as a proxy for 2007. 2007 population estimate for specific age groups will be available in November 2008.

HEALTH STATUS INDICATOR MEASURE # 05B

The rate per 1,000 women aged 20 through 44 years with a reported case of chlamydia.

	Annual Indicator Data				
	2005	2006	2007	2008	2009
Annual Indicator	9.3	9.6	9.7	10.3	10.7
Numerator	9,256	9,542	9,625	10,126	10,494
Denominator	1,000,208	996,798	989,565	983,458	983,458

Check this box if you cannot report the numerator because
 1. There are fewer than 5 events over the last year, and
 2. The average number of events over the last 3 years is fewer than 5 and therefore a 3-year moving average cannot be applied.

(Explain data in a year note. See Guidance, Appendix IX.)

Is the Data Provisional or Final?

Final

Final

Field Level Notes

1. **Section Number:** Form20_Health Status Indicator #05B

Field Name: HSI05B

Row Name:

Column Name:

Year: 2009

Field Note:

Source: DHSS Bureau of HIV, STD, & Hepatitis.

Denominator is 2008 population estimate for women age 20-24 years, obtained from MO DHSS (Missouri Information for Community Assessment) MICA-Population. 2009 population estimate will be available in November 2010. Numerator is from the Epidemiologic Profiles of HIV/AIDS and STDs in Missouri. Numerator is the number of reported cases in women ages 20-24 years in 2009. It is not the number of women with chlamydia diagnosis.

2. **Section Number:** Form20_Health Status Indicator #05B

Field Name: HSI05B

Row Name:

Column Name:

Year: 2008

Field Note:

Source: DHSS Bureau of HIV, STD, & Hepatitis.

Denominator is 2007 population estimate for women age 20-24 years, obtained from MO DHSS (Missouri Information for Community Assessment) MICA-Population. 2008 population estimate will be available in November 2009. From the Numerator is from the Epidemiologic Profiles of HIV/AIDS and STDs in Missouri. Numerator is the number of reported cases in women ages 20-44 years in 2008. It is not the number of women with chlamydia diagnosis.

3. **Section Number:** Form20_Health Status Indicator #05B

Field Name: HSI05B

Row Name:

Column Name:

Year: 2007

Field Note:

Numerator is obtained from the Epidemiologic Profiles of HIV/AIDS and STDs in Missouri; denominator population estimate for women aged 20-44 years in 2007 is not available yet, and the 2006 estimate is used as a proxy for 2007. 2007 population estimate for specific age groups will be available in November 2008.

FORM 21
HEALTH STATUS INDICATORS
DEMOGRAPHIC DATA
STATE: MO

HSI #06A - Demographics (Total Population) *Infants and children aged 0 through 24 years enumerated by sub-populations of age group and race. (Demographics)*

For both parts A and B: Reporting Year: 2008 Is this data from a State Projection? No Is this data final or provisional? Final

CATEGORY TOTAL POPULATION BY RACE	Total All Races	White	Black or African American	American Indian or Native Alaskan	Asian	Native Hawaiian or Other Pacific Islander	More than one race reported	Other and Unknown
Infants 0 to 1	80,944	65,076	12,512	0	0	0	0	3,356
Children 1 through 4	318,506	259,660	50,318	0	0	0	0	8,528
Children 5 through 9	381,804	315,070	56,590	0	0	0	0	10,144
Children 10 through 14	388,782	320,822	58,824	0	0	0	0	9,136
Children 15 through 19	412,660	339,374	64,504	0	0	0	0	8,782
Children 20 through 24	399,236	334,853	55,001	0	0	0	0	9,382
Children 0 through 24	1,981,932	1,634,855	297,749	0	0	0	0	49,328

HSI #06B - Demographics (Total Population) *Infants and children aged 0 through 24 years enumerated by sub-populations of age group and ethnicity. (Demographics)*

CATEGORY TOTAL POPULATION BY HISPANIC ETHNICITY	Total NOT Hispanic or Latino	Total Hispanic or Latino	Ethnicity Not Reported
Infants 0 to 1	76,297	4,525	0
Children 1 through 4	297,461	21,167	0
Children 5 through 9	360,503	21,301	0
Children 10 through 14	371,877	16,905	0
Children 15 through 19	397,599	15,061	0
Children 20 through 24	384,915	14,321	0
Children 0 through 24	1,888,652	93,280	0

FORM 21
HEALTH STATUS INDICATORS
DEMOGRAPHIC DATA
STATE: MO

HSI #07A - Demographics (Total live births) *Live births to women (of all ages) enumerated by maternal age and race. (Demographics)*

For both parts A and B: Reporting Year: 2009 Is this data from a State Projection? No Is this data final or provisional? Provisional

CATEGORY TOTAL LIVE BIRTHS BY RACE	Total All Races	White	Black or African American	American Indian or Native Alaskan	Asian	Native Hawaiian or Other Pacific Islander	More than one race reported	Other and Unknown
Women < 15	74	29	41	0	0	0	3	1
Women 15 through 17	2,368	1,567	731	16	4	10	12	28
Women 18 through 19	6,106	4,419	1,518	44	19	25	21	60
Women 20 through 34	61,892	50,493	8,860	264	966	600	107	602
Women 35 or older	8,185	6,778	888	31	224	161	16	87
Women of all ages	78,625	63,286	12,038	355	1,213	796	159	778

HSI #07B - Demographics (Total live births) *Live births to women (of all ages) enumerated by maternal age and ethnicity. (Demographics)*

CATEGORY TOTAL LIVE BIRTHS BY HISPANIC ETHNICITY	Total NOT Hispanic or Latino	Total Hispanic or Latino	Ethnicity Not Reported
Women < 15	69	5	0
Women 15 through 17	2,169	198	1
Women 18 through 19	5,738	361	7
Women 20 through 34	58,543	3,272	77
Women 35 or older	7,725	448	14
Women of all ages	74,244	4,284	99

FORM 21
HEALTH STATUS INDICATORS
DEMOGRAPHIC DATA
STATE: MO

HSI #08A - Demographics (Total deaths) Deaths of Infants and children aged 0 through 24 years enumerated by age subgroup and race. (Demographics)

For both parts A and B: Reporting Year: 2009 Is this data from a State Projection? No Is this data final or provisional? Provisional

CATEGORY TOTAL DEATHS BY RACE	Total All Races	White	Black or African American	American Indian or Native Alaskan	Asian	Native Hawaiian or Other Pacific Islander	More than one race reported	Other and Unknown
Infants 0 to 1	557	380	166	2	5	0	3	1
Children 1 through 4	113	79	34	0	0	0	0	0
Children 5 through 9	57	42	12	1	2	0	0	0
Children 10 through 14	54	35	17	2	0	0	0	0
Children 15 through 19	295	201	92	2	0	0	0	0
Children 20 through 24	421	320	94	3	2	0	0	2
Children 0 through 24	1,497	1,057	415	10	9	0	3	3

HSI #08B - Demographics (Total deaths) Deaths of Infants and children aged 0 through 24 years enumerated by age subgroup and ethnicity. (Demographics)

CATEGORY TOTAL DEATHS BY HISPANIC ETHNICITY	Total NOT Hispanic or Latino	Total Hispanic or Latino	Ethnicity Not Reported
Infants 0 to 1	536	21	0
Children 1 through 4	110	3	0
Children 5 through 9	56	1	0
Children 10 through 14	52	2	0
Children 15 through 19	285	10	0
Children 20 through 24	413	8	0
Children 0 through 24	1,452	45	0

FORM 21
HEALTH STATUS INDICATORS
DEMOGRAPHIC DATA
STATE: MO

HSI #09A - Demographics (Miscellaneous Data) *Infants and children aged 0 through 19 years in miscellaneous situations or enrolled in various State programs enumerated by race. (Demographics)*

Is this data final or provisional? Provisional

CATEGORY Miscellaneous Data BY RACE	Total All Races	White	Black or African American	American Indian or Native Alaskan	Asian	Native Hawaiian or Other Pacific Islander	More than one race reported	Other and Unknown	Specific Reporting Year
All children 0 through 19	1,582,696	1,300,002	242,748	11,016	28,930	0	0	0	2008
Percent in household headed by single parent	32.8	26.1	69.9	55.2	0.0	45.9	45.9	0.0	2008
Percent in TANF (Grant) families	7.4	5.2	19.2	4.3	1.2	0.0	0.0	0.0	2009
Number enrolled in Medicaid	547,254	369,708	155,251	1,041	4,598	901	4,078	11,677	2009
Number enrolled in SCHIP	118,591	88,939	24,917	205	1,285	155	473	2,617	2009
Number living in foster home care	14,333	9,919	4,031	44	30	13	142	154	2009
Number enrolled in food stamp program	521,699	339,280	163,847	944	2,764	825	3,748	10,291	2009
Number enrolled in WIC	152,662	99,473	32,770	249	1,779	0	1,907	16,484	2008
Rate (per 100,000) of juvenile crime arrests	4,325.7	3,527.0	8,329.2	898.6	784.6	0.0	0.0	0.0	2008
Percentage of high school drop-outs (grade 9 through 12)	4.2	3.0	9.2	4.7	2.1	0.0	0.0	0.0	2009

HSI #09B - Demographics (Miscellaneous Data) *Infants and children aged 0 through 19 years in miscellaneous situations or enrolled in various State programs enumerated by ethnicity. (Demographics)*

CATEGORY Miscellaneous Data BY HISPANIC ETHNICITY	Total NOT Hispanic or Latino	Total Hispanic or Latino	Ethnicity Not Reported	Specific Reporting Year
All children 0 through 19	1,503,737	78,959	0	2008
Percent in household headed by single parent	32.4	39.4	0.0	2008
Percent in TANF (Grant) families	7.3	8.1	0.0	2009
Number enrolled in Medicaid	506,593	36,871	3,790	2009
Number enrolled in SCHIP	110,921	6,764	906	2009
Number living in foster home care	13,722	439	172	2009
Number enrolled in food stamp program	490,630	27,482	3,587	2009
Number enrolled in WIC	136,178	16,453	31	2008
Rate (per 100,000) of juvenile crime arrests	4,468.9	1,598.2	0.0	2008
Percentage of high school drop-outs (grade 9 through 12)	3.9	4.8	0.0	2009

FORM 21
HEALTH STATUS INDICATORS
DEMOGRAPHIC DATA
STATE: MO

HSI #10 - Demographics (Geographic Living Area) *Geographic living area for all resident children aged 0 through 19 years old. (Demographics)*

Reporting Year: 2008 Is this data from a State Projection? No Is this data final or provisional? Provisional

GEOGRAPHIC LIVING AREAS	TOTAL
Living in metropolitan areas	<u>1,177,383</u>
Living in urban areas	<u>1,098,502</u>
Living in rural areas	<u>484,194</u>
Living in frontier areas	<u>0</u>
Total - all children 0 through 19	<u>1,582,696</u>

Note:

The Total will be determined by adding reported numbers for urban, rural and frontier areas.

FORM 21
HEALTH STATUS INDICATORS
DEMOGRAPHIC DATA
STATE: MO

HSI #11 - Demographics (Poverty Levels) *Percent of the State population at various levels of the federal poverty level. (Demographics)*

Reporting Year: 2008 Is this data from a State Projection? No Is this data final or provisional? Final

POVERTY LEVELS	TOTAL
Total Population	5,860,596.0
Percent Below: 50% of poverty	4.4
100% of poverty	13.3
200% of poverty	31.9

FORM 21
HEALTH STATUS INDICATORS
DEMOGRAPHIC DATA
STATE: MO

HSI #12 - Demographics (Poverty Levels) *Percent of the State population aged 0 through 19 at various levels of the federal poverty level. (Demographics)*

Reporting Year: 2008 Is this data from a State Projection? No Is this data final or provisional? Final

POVERTY LEVELS	TOTAL
Children 0 through 19 years old	<u>1,578,189.0</u>
Percent Below: 50% of poverty	<u>5.7</u>
100% of poverty	<u>19.0</u>
200% of poverty	<u>39.1</u>

FORM NOTES FOR FORM 21

None

FIELD LEVEL NOTES

1. **Section Number:** Form21_Indicator 06A
Field Name: S06_Race_Infants
Row Name: Infants 0 to 1
Column Name:
Year: 2011
Field Note:
Source: DHSS Missouri Information for Community Assessment (MICA)
Population 2008 estimates.
2. **Section Number:** Form21_Indicator 06A
Field Name: S06_Race_Children1to4
Row Name: children 1 through 4
Column Name:
Year: 2011
Field Note:
Source: DHSS Missouri Information for Community Assessment (MICA)
Population 2008 estimates.
3. **Section Number:** Form21_Indicator 06A
Field Name: S06_Race_Children5to9
Row Name: children 5 through 9
Column Name:
Year: 2011
Field Note:
Source: DHSS Missouri Information for Community Assessment (MICA)
Population 2008 estimates.
4. **Section Number:** Form21_Indicator 06A
Field Name: S06_Race_Children10to14
Row Name: children 10 through 14
Column Name:
Year: 2011
Field Note:
Source: DHSS Missouri Information for Community Assessment (MICA)
Population 2008 estimates.
5. **Section Number:** Form21_Indicator 06A
Field Name: S06_Race_Children15to19
Row Name: children 15 through 19
Column Name:
Year: 2011
Field Note:
Source: DHSS Missouri Information for Community Assessment (MICA)
Population 2003 estimates.
6. **Section Number:** Form21_Indicator 06A
Field Name: S06_Race_Children20to24
Row Name: children 20 through 24
Column Name:
Year: 2011
Field Note:
Source: DHSS Missouri Information for Community Assessment (MICA)
Population 2008 estimates.
7. **Section Number:** Form21_Indicator 06B
Field Name: S06_Ethnicity_Infants
Row Name: Infants 0 to 1
Column Name:
Year: 2011
Field Note:
Source: DHSS Missouri Information for Community Assessment (MICA)
Population 2008 estimates.
8. **Section Number:** Form21_Indicator 06B
Field Name: S06_Ethnicity_Children1to4
Row Name: children 1 through 4
Column Name:
Year: 2011
Field Note:
Source: DHSS Missouri Information for Community Assessment (MICA)
Population 2008 estimates.
9. **Section Number:** Form21_Indicator 06B
Field Name: S06_Ethnicity_Children5to9
Row Name: children 5 through 9
Column Name:
Year: 2011
Field Note:
Source: DHSS Missouri Information for Community Assessment (MICA)
Population 2008 estimates.
10. **Section Number:** Form21_Indicator 06B
Field Name: S06_Ethnicity_Children10to14
Row Name: children 10 through 14
Column Name:
Year: 2011
Field Note:
Source: DHSS Missouri Information for Community Assessment (MICA)
Population 2008 estimates.

11. **Section Number:** Form21_Indicator 06B
Field Name: S06_Ethnicity_Children15to19
Row Name: children 15 through 19
Column Name:
Year: 2011
Field Note:
Source: DHSS Missouri Information for Community Assessment (MICA)
Population 2008 estimates.
12. **Section Number:** Form21_Indicator 06B
Field Name: S06_Ethnicity_Children20to24
Row Name: children 20 through 24
Column Name:
Year: 2011
Field Note:
Source: DHSS Missouri Information for Community Assessment (MICA)
Population 2008 estimates.
13. **Section Number:** Form21_Indicator 07A
Field Name: Race_Women15
Row Name: Women < 15
Column Name:
Year: 2011
Field Note:
Source: DHSS Vital Statistics. Provisional live birth numbers as of April 2010. Final numbers will be available November 2010.

Row "women of all ages" does not include women with unknown age.
14. **Section Number:** Form21_Indicator 07A
Field Name: Race_Women15to17
Row Name: Women 15 through 17
Column Name:
Year: 2011
Field Note:
Source: DHSS Vital Statistics. Provisional live birth numbers as of April 2010. Final numbers will be available November 2010.

Row "women of all ages" does not include women with unknown age.
15. **Section Number:** Form21_Indicator 07A
Field Name: Race_Women18to19
Row Name: Women 18 through 19
Column Name:
Year: 2011
Field Note:
Source: DHSS Vital Statistics. Provisional live birth numbers as of April 2010. Final numbers will be available November 2010.

Row "women of all ages" does not include women with unknown age.
16. **Section Number:** Form21_Indicator 07A
Field Name: Race_Women20to34
Row Name: Women 20 through 34
Column Name:
Year: 2011
Field Note:
Source: DHSS Vital Statistics. Provisional live birth numbers as of April 2010. Final numbers will be available November 2010.

Row "women of all ages" does not include women with unknown age.
17. **Section Number:** Form21_Indicator 07A
Field Name: Race_Women35
Row Name: Women 35 or older
Column Name:
Year: 2011
Field Note:
Source: DHSS Vital Statistics. Provisional live birth numbers as of April 2010. Final numbers will be available November 2010.

Row "women of all ages" does not include women with unknown age.
18. **Section Number:** Form21_Indicator 07B
Field Name: Ethnicity_Women15
Row Name: Women < 15
Column Name:
Year: 2011
Field Note:
Source: DHSS Vital Statistics. Provisional live birth numbers as of April 2010. Final numbers will be available November 2010.
19. **Section Number:** Form21_Indicator 07B
Field Name: Ethnicity_Women15to17
Row Name: Women 15 through 17
Column Name:
Year: 2011
Field Note:
Source: DHSS Vital Statistics. Provisional live birth numbers as of April 2010. Final numbers will be available November 2010.
20. **Section Number:** Form21_Indicator 07B
Field Name: Ethnicity_Women18to19
Row Name: Women 18 through 19
Column Name:
Year: 2011
Field Note:
Source: DHSS Vital Statistics. Provisional live birth numbers as of April 2010. Final numbers will be available November 2010.
21. **Section Number:** Form21_Indicator 07B
Field Name: Ethnicity_Women20to34
Row Name: Women 20 through 34

- Column Name:**
Year: 2011
Field Note:
Source: DHSS Vital Statistics. Provisional live birth numbers as of April 2010. Final numbers will be available November 2010.
22. **Section Number:** Form21_Indicator 07B
Field Name: Ethnicity_Women35
Row Name: Women 35 or older
Column Name:
Year: 2011
Field Note:
Source: DHSS Vital Statistics. Provisional live birth numbers as of April 2010. Final numbers will be available November 2010.
23. **Section Number:** Form21_Indicator 08A
Field Name: S08_Race_Infants
Row Name: Infants 0 to 1
Column Name:
Year: 2011
Field Note:
Source: DHSS Vital Statistics. Provisional infant death numbers as of April 2010. Final numbers will be available November 2010.
24. **Section Number:** Form21_Indicator 08A
Field Name: S08_Race_Children1to4
Row Name: children 1 through 4
Column Name:
Year: 2011
Field Note:
Source: DHSS Vital Statistics. Provisional infant death numbers as of April 2010. Final numbers will be available November 2010.
25. **Section Number:** Form21_Indicator 08A
Field Name: S08_Race_Children5to9
Row Name: children 5 through 9
Column Name:
Year: 2011
Field Note:
Source: DHSS Vital Statistics. Provisional infant death numbers as of April 2010. Final numbers will be available November 2010.
26. **Section Number:** Form21_Indicator 08A
Field Name: S08_Race_Children10to14
Row Name: children 10 through 14
Column Name:
Year: 2011
Field Note:
Source: DHSS Vital Statistics. Provisional infant death numbers as of April 2010. Final numbers will be available November 2010.
27. **Section Number:** Form21_Indicator 08A
Field Name: S08_Race_Children15to19
Row Name: children 15 through 19
Column Name:
Year: 2011
Field Note:
Source: DHSS Vital Statistics. Provisional infant death numbers as of April 2010. Final numbers will be available November 2010.
28. **Section Number:** Form21_Indicator 08A
Field Name: S08_Race_Children20to24
Row Name: children 20 through 24
Column Name:
Year: 2011
Field Note:
Source: DHSS Vital Statistics. Provisional infant death numbers as of April 2010. Final numbers will be available November 2010.
29. **Section Number:** Form21_Indicator 08B
Field Name: S08_Ethnicity_Infants
Row Name: Infants 0 to 1
Column Name:
Year: 2011
Field Note:
Source: DHSS Vital Statistics. Provisional infant death numbers as of April 2010. Final numbers will be available November 2010.
30. **Section Number:** Form21_Indicator 08B
Field Name: S08_Ethnicity_Children1to4
Row Name: children 1 through 4
Column Name:
Year: 2011
Field Note:
Source: DHSS Vital Statistics. Provisional infant death numbers as of April 2010. Final numbers will be available November 2010.
31. **Section Number:** Form21_Indicator 08B
Field Name: S08_Ethnicity_Children5to9
Row Name: children 5 through 9
Column Name:
Year: 2011
Field Note:
Source: DHSS Vital Statistics. Provisional infant death numbers as of April 2010. Final numbers will be available November 2010.
32. **Section Number:** Form21_Indicator 08B
Field Name: S08_Ethnicity_Children10to14
Row Name: children 10 through 14
Column Name:
Year: 2011
Field Note:
Source: DHSS Vital Statistics. Provisional infant death numbers as of April 2010. Final numbers will be available November 2010.
33. **Section Number:** Form21_Indicator 08B
Field Name: S08_Ethnicity_Children15to19
Row Name: children 15 through 19

Column Name:

Year: 2011

Field Note:

Source: DHSS Vital Statistics. Provisional infant death numbers as of April 2010. Final numbers will be available November 2010.

34. Section Number: Form21_Indicator 08B**Field Name:** S08_Ethnicity_Children20to24**Row Name:** children 20 through 24**Column Name:**

Year: 2011

Field Note:

Source: DHSS Vital Statistics. Provisional infant death numbers as of April 2010. Final numbers will be available November 2010.

35. Section Number: Form21_Indicator 09A**Field Name:** HSIRace_Children**Row Name:** All children 0 through 19**Column Name:**

Year: 2011

Field Note:

Source: Bridged 2008 population estimates from the National Center for Health Statistics. The number under category Asian includes numbers under categories Asian/Native Hawaiian/other Pacific Islander. Total for more than one race reported was not available.

36. Section Number: Form21_Indicator 09A**Field Name:** HSIRace_SingleParentPercent**Row Name:** Percent in household headed by single parent**Column Name:**

Year: 2011

Field Note:

Source: US Census Bureau. American Community Survey 2008. Table S0901. The numerator was single parent households with children under 18 years of age and denominator was all households with children under 18 years of age. Difference from last year due to only hispanic white percentage was provided.

37. Section Number: Form21_Indicator 09A**Field Name:** HSIRace_TANFPercent**Row Name:** Percent in TANF (Grant) families**Column Name:**

Year: 2011

Field Note:

Number of TANF recipients aged 0-19 years served in State FY 2009 was obtained from the Missouri Department of Social Services, Research & Evaluation Unit.

38. Section Number: Form21_Indicator 09A**Field Name:** HSIRace_MedicaidNo**Row Name:** Number enrolled in Medicaid**Column Name:**

Year: 2011

Field Note:

Non SCHIP Medicaid children 0-19 years of age served in State FY 2009: Missouri Department of Social Services, Research & Evaluation Unit.

39. Section Number: Form21_Indicator 09A**Field Name:** HSIRace_SCHIPNo**Row Name:** Number enrolled in SCHIP**Column Name:**

Year: 2011

Field Note:

SCHIP Medicaid children 0-19 years of age served in State FY 2009: Missouri Department of Social Services, Research & Evaluation Unit.

40. Section Number: Form21_Indicator 09A**Field Name:** HSIRace_FoodStampNo**Row Name:** Number enrolled in food stamp program**Column Name:**

Year: 2011

Field Note:

Number of food stamp recipients aged 0-19 years served in State FY 2009 was obtained from the Missouri Department of Social Services, Research & Evaluation Unit.

41. Section Number: Form21_Indicator 09A**Field Name:** HSIRace_WICNo**Row Name:** Number enrolled in WIC**Column Name:**

Year: 2011

Field Note:

Field Note:
Number enrolled in WIC: Number of children aged <5 years enrolled in WIC in CY 2008. Data source: CDC. 2008 Pediatric Nutrition Surveillance System (PedNSS), Missouri - Summary of Demographic Indicators.
Race classifications defined for HSI # 9 are not completely comparable with those applied by the PedNSS data report. White category only included Non-Hispanic White; Black category only included Non-Hispanic Black; Asian category included Asian/Pacific Islander; Other and Unknown category (HSI#9A) included Hispanic and Other/Unknown categories.

42. Section Number: Form21_Indicator 09A**Field Name:** HSIRace_JuvenileCrimeRate**Row Name:** Rate (per 100,000) of juvenile crime arrests**Column Name:**

Year: 2011

Field Note:

Source: Dept of Social Services (possible duplicates) from calendar year 2008. Duplicates are due to inconsistencies between circuits and counties. Represents juvenile referrals only-not arrests.

43. Section Number: Form21_Indicator 09A**Field Name:** HSIRace_DropOutPercent**Row Name:** Percentage of high school drop-outs (grade 9 through 12)**Column Name:**

Year: 2011

Field Note:

Hispanic/nonhispanic drop out rate is 2009 federal fiscal year (July 1, 2008-Sept 2009) from the Dept of Elementary & Secondary Education.

Highschool drop out rate is the number of dropouts divided by (September enrollment plus transfers in minus transfers out minus dropouts added to total September enrollment then divided by two).

44. **Section Number:** Form21_Indicator 09B
Field Name: HSIethnicity_Children
Row Name: All children 0 through 19
Column Name:
Year: 2011
Field Note:
Source: Bridged 2008 population estimates from the National Center for Health Statistics.
45. **Section Number:** Form21_Indicator 09B
Field Name: HSIethnicity_SingleParentPercent
Row Name: Percent in household headed by single parent
Column Name:
Year: 2011
Field Note:
Source: US Census Bureau. American Community Survey 2008. Table S0901. The numerator was single parent households with children under 18 years of age and denominator was all households with children under 18 years of age.
Difference from last year due to only hispanic white percentage was provided.
46. **Section Number:** Form21_Indicator 09B
Field Name: HSIethnicity_TANFPercent
Row Name: Percent in TANF (Grant) families
Column Name:
Year: 2011
Field Note:
Number of TANF recipients aged 0-19 years served in State FY 2009 was obtained from the Missouri Department of Social Services, Research & Evaluation Unit.
47. **Section Number:** Form21_Indicator 09B
Field Name: HSIethnicity_MedicaidNo
Row Name: Number enrolled in Medicaid
Column Name:
Year: 2011
Field Note:
Non SCHIP Medicaid children 0-19 years of age served in State FY 2009: Missouri Department of Social Services, Research & Evaluation Unit.
48. **Section Number:** Form21_Indicator 09B
Field Name: HSIethnicity_SCHIPNo
Row Name: Number enrolled in SCHIP
Column Name:
Year: 2011
Field Note:
SCHIP Medicaid children 0-19 years of age served in State FY 2009: Missouri Department of Social Services, Research & Evaluation Unit.
49. **Section Number:** Form21_Indicator 09B
Field Name: HSIethnicity_FoodStampNo
Row Name: Number enrolled in food stamp program
Column Name:
Year: 2011
Field Note:
Number of food stamp recipients aged 0-19 years served in State FY 2009 was obtained from the Missouri Department of Social Services, Research & Evaluation Unit.
50. **Section Number:** Form21_Indicator 09B
Field Name: HSIethnicity_WICNo
Row Name: Number enrolled in WIC
Column Name:
Year: 2011
Field Note:
Field Note:
Number enrolled in WIC: Number of children aged <5 years enrolled in WIC in CY 2008. Data source: CDC. 2008 Pediatric Nutrition Surveillance System (PedNSS), Missouri - Summary of Demographic Indicators.
Race classifications defined for HSI # 9 are not completely comparable with those applied by the PedNSS data report. White category only included Non-Hispanic White; Black category only included Non-Hispanic Black; Asian category included Asian/Pacific Islander; Other and Unknown category (HSI#9A) included Hispanic and Other/Unknown categories.
51. **Section Number:** Form21_Indicator 09B
Field Name: HSIethnicity_JuvenileCrimeRate
Row Name: Rate (per 100,000) of juvenile crime arrests
Column Name:
Year: 2011
Field Note:
Source: Dept of Social Services (possible duplicates) from calendar year 2008. Duplicates are due to inconsistencies between circuits and counties. Represents juvenile referrals only-not arrests.
52. **Section Number:** Form21_Indicator 09B
Field Name: HSIethnicity_DropOutPercent
Row Name: Percentage of high school drop-outs (grade 9 through 12)
Column Name:
Year: 2011
Field Note:
Hispanic drop out rate is 2009 federal fiscal year (July 1, 2008-Sept 2009) from the Dept of Elementary & Secondary Education.
Nonhispanic drop out rate is 2008 federal fiscal year (July 1, 2007-Sept 2008) from the Dept of Elementary & Secondary Education.

Highschool drop out rate is the number of dropouts divided by (September enrollment plus transfers in minus transfers out minus dropouts added to total September enrollment then divided by two).
53. **Section Number:** Form21_Indicator 10
Field Name: Metropolitan
Row Name: Living in metropolitan areas
Column Name:
Year: 2011
Field Note:
Source: US Census, Population Estimate Branch. Metropolitan area is based on metropolitan statistical area counties in 2003.
54. **Section Number:** Form21_Indicator 10
Field Name: Urban

Row Name: Living in urban areas

Column Name:

Year: 2011

Field Note:

Source: US Census Bureau. American Community Survey 2008.

The urban/rural number for 2008 was estimated using the 2008 population estimate and an estimated urban/rural split for 2008, which was extrapolated from the urban/rural splits for the 1990 and 2000 Census.

55. Section Number: Form21_Indicator 10

Field Name: Rural

Row Name: Living in rural areas

Column Name:

Year: 2011

Field Note:

Source: US Census. American Community Survey

56. Section Number: Form21_Indicator 11

Field Name: S11_total

Row Name: Total Population

Column Name:

Year: 2011

Field Note:

Source: US Census. Current Population Survey, Annual Social and Economic Supplement, 2009. Data represents 2008 population in poverty universe.

CPS Table Creator: http://www.census.gov/hhes/www/cpstc/cps_table_creator.html

57. Section Number: Form21_Indicator 11

Field Name: S11_50percent

Row Name: Percent Below: 50% of poverty

Column Name:

Year: 2011

Field Note:

Source: US Census. Current Population Survey, Annual Social and Economic Supplement, 2008.

CPS Table Creator: http://www.census.gov/hhes/www/cpstc/cps_table_creator.html

58. Section Number: Form21_Indicator 11

Field Name: S11_100percent

Row Name: 100% of poverty

Column Name:

Year: 2011

Field Note:

Source: US Census. Current Population Survey, Annual Social and Economic Supplement, 2008.

CPS Table Creator: http://www.census.gov/hhes/www/cpstc/cps_table_creator.html

59. Section Number: Form21_Indicator 11

Field Name: S11_200percent

Row Name: 200% of poverty

Column Name:

Year: 2011

Field Note:

Source: US Census. Current Population Survey, Annual Social and Economic Supplement, 2008.

CPS Table Creator: http://www.census.gov/hhes/www/cpstc/cps_table_creator.html

60. Section Number: Form21_Indicator 12

Field Name: S12_Children

Row Name: Children 0 through 19 years old

Column Name:

Year: 2011

Field Note:

Source: US Census. Current Population Survey, Annual Social and Economic Supplement, 2009. Data represents 2008 population age 00-19 in poverty universe.

CPS Table Creator: http://www.census.gov/hhes/www/cpstc/cps_table_creator.html

61. Section Number: Form21_Indicator 12

Field Name: S12_50percent

Row Name: Percent Below: 50% of poverty

Column Name:

Year: 2011

Field Note:

Source: US Census. Current Population Survey, Annual Social and Economic Supplement, 2009.

CPS Table Creator: http://www.census.gov/hhes/www/cpstc/cps_table_creator.html

62. Section Number: Form21_Indicator 12

Field Name: S12_100percent

Row Name: 100% of poverty

Column Name:

Year: 2011

Field Note:

Source: US Census. Current Population Survey, Annual Social and Economic Supplement, 2009. Data represents 2008 population age 00-19

CPS Table Creator: http://www.census.gov/hhes/www/cpstc/cps_table_creator.html

63. Section Number: Form21_Indicator 12

Field Name: S12_200percent

Row Name: 200% of poverty

Column Name:

Year: 2011

Field Note:

Source: US Census. Current Population Survey, Annual Social and Economic Supplement, 2009. Data represents 2008 population age 00-19

CPS Table Creator: http://www.census.gov/hhes/www/cpstc/cps_table_creator.html

64. Section Number: Form21_Indicator 09A

Field Name: HSIRace_FosterCare

Row Name: Number living in foster home care

Column Name:

Year: 2011

Field Note:

Number of children living in foster home care served in State FY 2009 was obtained from the Missouri Department of Social Services, Research & Evaluation Unit.

65. **Section Number:** Form21_Indicator 09B
Field Name: HSIEthnicity_FosterCare
Row Name: Number living in foster home care
Column Name:
Year: 2011
Field Note:
Number of children living in foster home care served in State FY 2008 was obtained from the Missouri Department of Social Services, Research & Evaluation Unit.

FORM 11
TRACKING PERFORMANCE MEASURES
[SECS 485 (2)(2)(B)(iii) AND 486 (A)(2)(A)(iii)]
STATE: MO

Form Level Notes for Form 11

None

STATE PERFORMANCE MEASURE # 1 - NEW FOR NEEDS ASSESSMENT CYCLE 2011-2015

Percentage of women aged 18-44 years who are current cigarette smokers

<u>Annual Objective and Performance Data</u>					
	2005	2006	2007	2008	2009
Annual Performance Objective					
Annual Indicator					
Numerator					
Denominator					
Data Source					
Is the Data Provisional or Final?					

<u>Annual Objective and Performance Data</u>					
	2010	2011	2012	2013	2014
Annual Performance Objective	24.4	24.3	24.2	24.1	24
Annual Indicator					
Numerator					
Denominator					

While you may enter preliminary objectives for State Performance Measures for the Needs Assessment Period 2011-2015, this is not required until next year.

Field Level Notes

1. Section Number: Form11_State Performance Measure #1

Field Name: SM1

Row Name:

Column Name:

Year: 2009

Field Note:

The percentage of current smoking among women 18-44 years of age has been consistently higher in MO than in the US (24.5% vs. 18.4% in 2009). The percentage in MO decreased for four consecutive years from 31.6% in 2001 to 26.7% in 2005. Unlike the continuing declining trend in the nation since then, MO had seen a slight increase in this measure from 2005 to 2008 (28.4%). Although MO's 2009 percentage of 24.5% showed a noticeable decrease compared with the 2008 figure, it is too early to say if this is the one-year data fluctuation or indicates a further decline in this measure.

A slight decrease of 0.1% per year since 2010 was chosen for objectives 2010-2014, with considerations of the trend data and discussions with the Section of Healthy Families and Youth, MO DHSS.

STATE PERFORMANCE MEASURE # 2 - NEW FOR NEEDS ASSESSMENT CYCLE 2011-2015

Percent of cigarette smoking among high school students.

<u>Annual Objective and Performance Data</u>					
	2005	2006	2007	2008	2009
Annual Performance Objective	30	19.4	17.4	23.3	22.8
Annual Indicator	21.3	21.3	23.8	23.8	18.9
Numerator	59,081	60,210	68,127	67,789	53,275
Denominator	277,374	282,678	286,247	284,830	281,879
Data Source				Missouri Youth Risk Behavioral Survey	Missouri Youth Risk Behavioral Survey
Is the Data Provisional or Final?					

<u>Annual Objective and Performance Data</u>					
	2010	2011	2012	2013	2014
Annual Performance Objective	18.7	18.5	18.3	18.1	17.9
Annual Indicator					
Numerator					
Denominator					

While you may enter preliminary objectives for State Performance Measures for the Needs Assessment Period 2011-2015, this is not required until next year.

Field Level Notes**1. Section Number:** Form11_State Performance Measure #2**Field Name:** SM2**Row Name:****Column Name:****Year:** 2009**Field Note:**

Source: Annual indicator is percentage from 2009 CDC's Youth Risk Behavioral Survey "Percentage of high school students who smoked cigarettes on one or more of the past 30 days. Numerator is based on percentage. Denominator is estimate using number of fall enrollment grades 9-12 for school year 2008-2009 obtained from the MO Dept. of Elementary & Secondary Education.

An annual decrease of 0.2% was chosen for objectives 2010-2014, based on trend data 1995-2009 and discussions with the Section of Healthy Families and Youth, MO DHSS.

2. Section Number: Form11_State Performance Measure #2**Field Name:** SM2**Row Name:****Column Name:****Year:** 2008**Field Note:**

Source: Annual indicator is percentage from 2007 CDC's Youth Risk Behavioral Survey "Percentage of high school students who smoked cigarettes on one or more of the past 30 days. Numerator is based on percentage. Denominator is estimate using number of fall enrollment grades 9-12 for school year 2007-2008 obtained from the MO Dept. of Elementary & Secondary Education.

YRBS survey is conducted every 2 years. Next survey results will be available summer 2010.

Objectives for 2009-2013 were set with considerations of trend analysis on MO YRBS data 1995-2007, and discussions with the Section of Healthy Families and Youth, MO DHSS.

3. Section Number: Form11_State Performance Measure #2**Field Name:** SM2**Row Name:****Column Name:****Year:** 2007**Field Note:**

The annual indicator is from the 2007 YRBS statistic "Percentage of high school students who smoked cigarettes on one or more of the past 30 days". The denominator is estimated using the number of fall enrollment, grades 9-12 for school year 2006-2007, obtained from the the MO Department of Elementary and Secondary Education.

Objectives for 2008-2012 were set with considerations of trend analysis on MO YRBS data 1995-2007, and discussions with the Section of Healthy Families and Youth, MO DHSS.

STATE PERFORMANCE MEASURE # 3 - NEW FOR NEEDS ASSESSMENT CYCLE 2011-2015

Percentage of live births to women who are prepregnancy overweight or obese

	Annual Objective and Performance Data				
	2005	2006	2007	2008	2009
Annual Performance Objective					
Annual Indicator					
Numerator					
Denominator					
Data Source					
Is the Data Provisional or Final?					

	Annual Objective and Performance Data				
	2010	2011	2012	2013	2014
Annual Performance Objective	47.7	47.6	47.5	47.4	47.3
Annual Indicator					
Numerator					
Denominator					

While you may enter preliminary objectives for State Performance Measures for the Needs Assessment Period 2011-2015, this is not required until next year.

Field Level Notes

1. **Section Number:** Form11_State Performance Measure #3

Field Name: SM3

Row Name:

Column Name:

Year: 2009

Field Note:

Source: MO DHSS. Birth data, Missouri Vital statistics.

The percentage of births to women with prepregnancy overweight or obesity had gradually increased from 41% in 1999 to 47.8% in 2009 (provisional data). An annual decrease of 0.1% has been chosen for objectives 2010-2014, based on discussions with the Section of Healthy Families and Youth, MO DHSS.

STATE PERFORMANCE MEASURE # 4 - NEW FOR NEEDS ASSESSMENT CYCLE 2011-2015

Percent of high school students who met currently recommended levels of physical activity.

Annual Objective and Performance Data					
	2005	2006	2007	2008	2009
Annual Performance Objective		71.2	72.8	44.5	45.5
Annual Indicator	36.0	36.0	43.5	43.5	48.3
Numerator	99,854	101,764	124,517	123,901	136,148
Denominator	277,374	282,678	286,247	284,830	281,879
Data Source				Missouri Youth Risk Behavioral Survey	Missouri Youth Risk Behavioral Survey

Is the Data Provisional or Final?

Annual Objective and Performance Data					
	2010	2011	2012	2013	2014
Annual Performance Objective	49.3	50.3	51.3	52.3	53.3
Annual Indicator					
Numerator	While you may enter preliminary objectives for State Performance Measures for the Needs Assessment Period 2011-2015, this is not required until next year.				
Denominator					

Field Level Notes**1. Section Number:** Form11_State Performance Measure #4**Field Name:** SM4**Row Name:****Column Name:****Year:** 2009**Field Note:**

Source: Youth Risk Behavioral Survey (YRBS) 2009

A response of 5 or more days to the survey item "During the past 7 days, on how many days were you physically active for a total of at least 60 minutes per day?" (Add up all the time you spend on any kind of physical activity that increases your heart rate and makes you breathe hard part of the time). Denominator is the number of enrollment of grades 9-12 during the 2008-2009 school year, obtained from the Mo Dept of Elementary and Secondary Education.

An annual increase of 1% was chosen for objectives 2010-2014, based on data 2005-2009 and discussions with the Section of Healthy Families and Youth, MO DHSS.

2. Section Number: Form11_State Performance Measure #4**Field Name:** SM4**Row Name:****Column Name:****Year:** 2008**Field Note:**

Source: Youth Risk Behavioral Survey (YRBS) 2007

A response of 5 or more days to the survey item "During the past 7 days, on how many days were you physically active for a total of at least 60 minutes per day?" (Add up all the time you spend on any kind of physical activity that increases your heart rate and makes you breathe hard part of the time). The 2007 YRBS estimate is being used as a proxy for 2008 obtained from the Mo Dept of Elementary and Secondary Education. Denominator is the number of enrollment of grades 9-12 during the 2007-2008 school year.

YRBS survey is conducted every 2 years. Next survey results will be available summer 2010.

An annual increase of 1% on this measure was chosen to create objectives for 2009-2013, based on estimates of the indicator in 2005 and 2007, comparisons with other states, and discussions with the Section of Healthy Families and Youth, MO DHSS.

3. Section Number: Form11_State Performance Measure #4**Field Name:** SM4**Row Name:****Column Name:****Year:** 2007**Field Note:**

The question used to estimate the indicator SPM # 4 "percent of students who participated in vigorous physical activity" was discontinued in the 2007 YRBS questionnaire: "On how many of the past 7 days did you exercise or participate in physical activity for at least 20 minutes that made you sweat and breathe hard?". Instead, to reflect the current physical activity recommendation for youth, defined as "participation in any kind of physical activity that increased their heart rate and made them breathe hard some of the time for a total of at least 60 minutes/day on >=5 of the 7 days preceding the survey", a new question has been added to YRBS since the 2005 survey: "During the past 7 days, on how many days were you physically active for a total of at least 60 minutes per day? (Add up all the time you spend in any kind of physical activity that increases your heart rate and makes you breathe hard some of the time.)"

2007 YRBS estimate was obtained from the Missouri Department of Elementary and Secondary Education. The 2007 data was based on the new indicator "percent of students who were physically active for a total of at least 60 minutes per day on >=5 of the past 7 days". The data reported for 2007 is comparable with the data for 2005 but not comparable with data before 2005, which reflect previously recommended physical activity for youth. Denominator is number of fall enrollment of grades 9-12 during school year 2006-2007 from the Missouri Department of Elementary and Secondary Education.

YRBS data for the new indicator were only available for two years 2005 and 2007, which prevented the ability to conduct trend analyses. An annual increase of 1% on the new indicator was chosen to create future objectives for 2008-2012, based on estimates of the new indicator in 2005 and 2007, comparisons with other states, and discussions with the Section of Healthy Families and Youth, MO DHSS.

STATE PERFORMANCE MEASURE # 5 - NEW FOR NEEDS ASSESSMENT CYCLE 2011-2015

Birth rate (per 1,000) among teenage girls aged 15-19 years

	<u>Annual Objective and Performance Data</u>				
	2005	2006	2007	2008	2009
Annual Performance Objective					
Annual Indicator					
Numerator					
Denominator					
Data Source					
Is the Data Provisional or Final?					

	<u>Annual Objective and Performance Data</u>				
	2010	2011	2012	2013	2014
Annual Performance Objective	42.1	41.8	41.3	40.8	40.3
Annual Indicator					
Numerator					
Denominator					

While you may enter preliminary objectives for State Performance Measures for the Needs Assessment Period 2011-2015, this is not required until next year.

Field Level Notes**1. Section Number:** Form11_State Performance Measure #5**Field Name:** SM5**Row Name:****Column Name:****Year:** 2009**Field Note:**

The birth rate among girls 15-19 years of age in MO was 42.1 per 1,000 in 2009 (provisional), which decreased by 7.3% compared with the rate in 2008 (45.4 per 1,000).

The Adolescent Health Program, MO DHSS is in the process of applying for several federal funded teen pregnancy prevention grants. Other organizations across the state are also planning for applying grants that support evidence-based teen pregnancy prevention initiatives and strategies to reach teens. Considering these efforts, MO expects to see a gradual decrease in teen birth rate in the next few years especially since the implementation of the potential programs in 2011.

STATE PERFORMANCE MEASURE # 6 - NEW FOR NEEDS ASSESSMENT CYCLE 2011-2015

Percentage of women aged 18-44 years who visited a dentist or a dental clinic for any reason within the past year

<u>Annual Objective and Performance Data</u>					
	2005	2006	2007	2008	2009
Annual Performance Objective					
Annual Indicator					
Numerator					
Denominator					
Data Source					
Is the Data Provisional or Final?					

<u>Annual Objective and Performance Data</u>					
	2010	2011	2012	2013	2014
Annual Performance Objective	64.4	64.4	64.6	64.6	64.8
Annual Indicator					
Numerator	While you may enter preliminary objectives for State Performance Measures for the Needs Assessment Period 2011-2015, this is not required until next year.				
Denominator					

Field Level Notes

1. **Section Number:** Form11_State Performance Measure #6

Field Name: SM6

Row Name:

Column Name:

Year: 2009

Field Note:

Source: BRFSS

Mirroring the national trend, MO had seen a decline in the percentage of access to dental care in the past year among women 18-44 years of age from 70.7% in 2004 to 64.2% in 2008 (the most recent data).

Since 2005, MO Medicaid has limited dental services to adults. The only exception population is pregnant women who can receive preventive services through Medicaid. Increasing capacity of FQHC/Community Health Center dental services has been a priority in Missouri since 2008, and a slight increase in dental encounters is anticipated to start from 2010.

STATE PERFORMANCE MEASURE # 7 - NEW FOR NEEDS ASSESSMENT CYCLE 2011-2015

Percentage of women with a recent live birth who reported taking a multivitamin or a prenatal vitamin four or more times per week in the month prior to pregnancy

<u>Annual Objective and Performance Data</u>					
	2005	2006	2007	2008	2009
Annual Performance Objective	_____	_____	_____	_____	_____
Annual Indicator	_____	_____	_____	_____	_____
Numerator	_____	_____	_____	_____	_____
Denominator	_____	_____	_____	_____	_____
Data Source					
Is the Data Provisional or Final?					

<u>Annual Objective and Performance Data</u>					
	2010	2011	2012	2013	2014
Annual Performance Objective	_____	_____	_____	_____	_____
Annual Indicator					
Numerator					
Denominator					

While you may enter preliminary objectives for State Performance Measures for the Needs Assessment Period 2011-2015, this is not required until next year.

Field Level Notes

None

STATE PERFORMANCE MEASURE # 8 - NEW FOR NEEDS ASSESSMENT CYCLE 2011-2015

Percentage of women with a recent live birth who reported frequent postpartum depressive symptoms

<u>Annual Objective and Performance Data</u>					
	2005	2006	2007	2008	2009
Annual Performance Objective	_____	_____	_____	_____	_____
Annual Indicator	_____	_____	_____	_____	_____
Numerator	_____	_____	_____	_____	_____
Denominator	_____	_____	_____	_____	_____
Data Source					
Is the Data Provisional or Final?					

<u>Annual Objective and Performance Data</u>					
	2010	2011	2012	2013	2014
Annual Performance Objective	_____	_____	_____	_____	_____
Annual Indicator					
Numerator	While you may enter preliminary objectives for State Performance Measures for the Needs Assessment Period 2011-2015, this is not required until next year.				
Denominator					

Field Level Notes

None

STATE PERFORMANCE MEASURE # 9 - NEW FOR NEEDS ASSESSMENT CYCLE 2011-2015

Percent of infants with permanent hearing loss and enrolled in appropriate early intervention services that are enrolled in those services by 6 months of age.

	<u>Annual Objective and Performance Data</u>				
	2005	2006	2007	2008	2009
Annual Performance Objective					
Annual Indicator					
Numerator					
Denominator					
Data Source					
Is the Data Provisional or Final?					

	<u>Annual Objective and Performance Data</u>				
	2010	2011	2012	2013	2014
Annual Performance Objective	72	73	74	75	76
Annual Indicator					
Numerator					
Denominator					

While you may enter preliminary objectives for State Performance Measures for the Needs Assessment Period 2011-2015, this is not required until next year.

Field Level Notes

1. **Section Number:** Form11_State Performance Measure #9

Field Name: SM9

Row Name:

Column Name:

Year: 2009

Field Note:

Source: MO DHSS. Missouri Newborn Hearing Screening Program.

The percentage of Missouri infants with permanent hearing loss and enrolled in intervention services that were enrolled by 6 months of age significantly increased from 37.5% in 2005 to 65.7% in 2007, and continued to increase to 69.6% in 2008 (the most recent data). An annual increase of about 1% since 2009 has been chosen to set up objectives 2010-2014, with considerations of trend data 2005-2008 and discussions with the Section of Healthy Families and Youth, MO DHSS.

STATE PERFORMANCE MEASURE # 10 - NEW FOR NEEDS ASSESSMENT CYCLE 2011-2015

Percent of children ages 0-19 years old who received health care at a FQHC/CHC.

<u>Annual Objective and Performance Data</u>					
	2005	2006	2007	2008	2009
Annual Performance Objective		7.1	7.5	8.2	8.8
Annual Indicator	6.4	7.2	7.8	8.4	9.2
Numerator	98,456	113,777	123,458	133,248	145,573
Denominator	1,545,754	1,574,087	1,583,410	1,582,696	1,582,696
Data Source				Missouri Primary Care Association	Missouri Primary Care Association
Is the Data Provisional or Final?					

<u>Annual Objective and Performance Data</u>					
	2010	2011	2012	2013	2014
Annual Performance Objective	9.6	10.6	11.6	12.6	13.6
Annual Indicator					
Numerator					
Denominator					

While you may enter preliminary objectives for State Performance Measures for the Needs Assessment Period 2011-2015, this is not required until next year.

Field Level Notes**1. Section Number:** Form11_State Performance Measure #10**Field Name:** SM10**Row Name:****Column Name:****Year:** 2009**Field Note:**

Source: Numerator is 2009 data from Missouri Primary Care Association. Denominator is 2008 population estimate 0-19 from DHSS Missouri Information for Community Assessment (MICA), as proxy for 2009. 2009 population estimate will be available in November, 2010.

Due to federal health care initiatives to increase capacity of FQHC/CHC, an annual increase of 1% in the percentage of children receiving care through FQHC/CHC is anticipated to start from 2011.

2. Section Number: Form11_State Performance Measure #10**Field Name:** SM10**Row Name:****Column Name:****Year:** 2008**Field Note:**

Source: Numerator is 2008 data from Missouri Primary Care Association. Denominator is 2007 population estimate 0-19 from US Census used as proxy for 2008. 2008 population estimate will be available in November 2009.

Objectives 2009-2013 were based on trend analysis on data 2001-2008 and discussions with the Section of Healthy Families and Youth, MO DHSS and Missouri Primary Care Association.

3. Section Number: Form11_State Performance Measure #10**Field Name:** SM10**Row Name:****Column Name:****Year:** 2007**Field Note:**

Numerator is the number of children 0-19 years of age receiving health care at a FQHC in 2007, obtained from the Missouri Primary Care Association. The denominator of population estimate for children 0-19 for 2007 will be available in November 2008, and 2006 data is used as proxy for 2007.

Objectives 2008-2012 were based on trend analysis on data 2001-2007 and discussions with the Section of Healthy Families and Youth, MO DHSS and Missouri Primary Care Association.

FORM 12
TRACKING HEALTH OUTCOME MEASURES
[SECS 505 (A)(2)(B)(iii) AND 506 (A)(2)(A)(iii)]
STATE: MO

Form Level Notes for Form 12

None

FORM 16
STATE PERFORMANCE AND OUTCOME MEASURE DETAIL SHEET
STATE: MO

SP(New for Needs Assessment cycle 2011-2015) # 1

PERFORMANCE MEASURE:	Percentage of women aged 18-44 years who are current cigarette smokers
STATUS:	Active
GOAL	To reduce cigarette smoking among women of childbearing age.
DEFINITION	<p>Percentage of women aged 18-44 years who are current cigarette smokers.</p> <p>Numerator: Estimated number of women aged 18-44 years who reported having smoked =100 cigarettes during their lifetime and currently smoked every day or some days.</p> <p>Denominator: Estimated number of women population aged 18-44 years in the calendar year.</p> <p>Units: 100 Text: Percent</p>
HEALTHY PEOPLE 2010 OBJECTIVE	Related to Objective 27-1a: Reduce cigarette smoking among adults aged = 18 years to 12 percent from baseline of 24 percent in 1998.
DATA SOURCES AND DATA ISSUES	The percentage of current cigarette smoking among women aged 18-44 years is obtained from the Missouri Behavioral Risk Factor Surveillance System (BRFSS). The denominator is obtained from the Missouri Information for Community Assessment (MICA) – Population (http://www.dhss.mo.gov/PopulationMICA/). The numerator is estimated by applying the percentage from the Missouri BRFSS to the estimated number of women population aged 18-44 years.
SIGNIFICANCE	Maternal smoking is associated with a number of adverse perinatal outcomes. Health promotion before pregnancy and throughout a woman's lifespan is essential to achieve further improvement in maternal and child health outcomes. Only 20% of women successfully control tobacco dependence during pregnancy. Cessation of smoking before pregnancy is one of the preconception interventions that have proven to be effective in improving pregnancy outcomes. Cigarette smoking among women of childbearing age can be used to assess progress towards improving preconception health as well as women's health.

PERFORMANCE MEASURE:	Percent of cigarette smoking among high school students.
STATUS:	Active
GOAL	To prevent and reduce tobacco use among adolescents in grades 9 through 12.
DEFINITION	<p>Current cigarette smoking is defined as smoking cigarettes on one (1) or more of the thirty days preceding the Youth Behavioral Survey (YRBS).</p> <p>Numerator: Number of adolescents in grades 9 through 12 who reported smoking one or more of the thirty days preceding the survey.</p> <p>Denominator: Number of high school students.</p> <p>Units: 100 Text: Percent</p>
HEALTHY PEOPLE 2010 OBJECTIVE	27-2b. Reduce cigarette use by adolescents to 16%.
DATA SOURCES AND DATA ISSUES	The Youth Risk Behavioral survey conducted by the Department of Elementary and Secondary Education every two years. There are at least two limitations: 1. The data only apply to adolescents who attend high school and does not cover adolescents not enrolled in a high school program; and 2. the extent of under reporting or over reporting in YRBS cannot be determined, although the survey questions demonstrate good test-retest reliability.
SIGNIFICANCE	Tobacco use among Missouri adults remained steady over the past decade with 27.2 percent reporting smoking in 2003, the third highest rate among all states. During the same decade, smoking among pregnant women in Missouri declined significantly by 26.6 percent, from 24.8 percent in 1990 to 18.2 percent in 2002, as determined by self-reported information on birth certificates. However, smoking among pregnant females aged 15-19 years remained high at 27.2 percent in 2001-2002, and overall smoking during pregnancy in Missouri ranked 8th highest among all states.

PERFORMANCE MEASURE:	Percentage of live births to women who are prepregnancy overweight or obese
STATUS:	Active
GOAL	To reduce the percentage of mothers who are overweight or obese during pre-pregnancy.
DEFINITION	<p>Percentage of live births to women with prepregnancy body mass index (BMI) of 25 or more.</p> <p>Numerator: Resident live births to women whose prepregnancy BMI is equal to or greater than 25. The BMI is calculated by dividing weight (in kg) by the square of height (in meters).</p> <p>Denominator: Resident live births with known BMI in the calendar year.</p> <p>Units: 100 Text: Percent</p>
HEALTHY PEOPLE 2010 OBJECTIVE	Related to Objective 19-2: Reduce the proportion of adults who are obese. Target: 15 percent; baseline: 23 percent of adults aged 20 years and older were identified as obese (defined as a BMI of 30 or more) in 1988–94.
DATA SOURCES AND DATA ISSUES	Missouri Birth Data maintained by the Bureau of Health Informatics, Missouri Department of Health & Senior Services.
SIGNIFICANCE	Maternal overweight or obesity is associated with adverse perinatal outcomes such as neural tube defects, preterm delivery, diabetes, cesarean section, and hypertensive and thromboembolic disease. Weight control before pregnancy is one of the preconception interventions that have proven to be effective in improving pregnancy outcomes.

PERFORMANCE MEASURE:

Percent of high school students who met currently recommended levels of physical activity.

STATUS:

Active

GOAL

Increase the percentage of high school students who met currently recommended levels of physical activity.

DEFINITION

Percentage of high school students who participated in any kind of physical activity that increased their heart rate and made them breathe hard some of the time for a total of at least 60 minutes per day on five or more of the seven days preceding the survey.

Numerator:

Number of high school students in grades 9 through 12 who participated in any kind of physical activity that increased their heart rate and made them breathe hard some of the time for a total of at least 60 minutes/day on ≥ 5 of the 7 days preceding the survey.

Denominator:

Number of high school students.

Units: 100 **Text:** Percent

HEALTHY PEOPLE 2010 OBJECTIVE

There is no specific HP 2010 objective for the currently recommended levels of physical activity for youth. There is HP 2010 objective for the previously recommended levels of physical activity for youth: 22-7. Increase the proportion of adolescents who engage in vigorous physical activity that promotes cardiorespiratory fitness 3 or more days per week for 20 or more minutes per occasion. Target: 85 percent. Baseline: 64 percent of students in grades 9 through 12 engaged in vigorous physical activity 3 or more days per week for 20 or more minutes per occasion in 1997.

Data source: CDC, NCCDPHP. Youth Risk Behavior Survey (YRBS). The YRBS is conducted by the Department of Elementary and Secondary Education every two years.

DATA SOURCES AND DATA ISSUES

YRBS has at least two limitations: 1. The data only apply to adolescents who attend high school and does not cover adolescents not enrolled in a high school program; and 2. Survey questions demonstrate good test-retest reliability and validity, although student's self-reports of physical activity are influenced substantially by cognitive factors and to a lesser degree by situational ones. Data before 2005 reflect the previously recommend physical activity for youth: "participation in physical activity for at least 20 minutes that made them sweat and breathe hard on ≥ 3 of the past seven days." Data reported in 2005 and later reflect the current physical activity recommendation for youth: "participation in any kind of physical activity that increased their heart rate and made them breathe hard some of the time for a total of at least 60 minutes/day on ≥ 5 of the 7 days preceding the survey". Therefore, the indicator data 2005 and later are not comparable with those before 2005.

SIGNIFICANCE

Lack of physical activity is the main contributor to obesity in adolescents. Overweight (or obese) children are at a higher risk of developing Type II diabetes, high blood pressure, high cholesterol levels, and other harmful health conditions.

PERFORMANCE MEASURE:	Birth rate (per 1,000) among teenage girls aged 15-19 years
STATUS:	Active
GOAL	To reduce birth rate among teenagers aged 15-19 years.
DEFINITION	<p>Number of live births per 1,000 teenage girls aged 15-19 years.</p> <p>Numerator: Number of live births to teenage girls aged 15-19 years.</p> <p>Denominator: Estimated number of female population aged 15-19 years in the calendar year.</p> <p>Units: 1000 Text: Rate</p>
HEALTHY PEOPLE 2010 OBJECTIVE	Related to Objective 9-7: Reduce pregnancies among adolescent females aged 15-17 years to 43 per 1,000 from the baseline of 68 per 1,000 in 1996.
DATA SOURCES AND DATA ISSUES	Number of live births is obtained from the Missouri Information for Community Assessment (MICA) – Birth (http://www.dhss.mo.gov/BirthMICA/index.html). Female population estimate is obtained from the MICA - Population (http://www.dhss.mo.gov/PopulationMICA/).
SIGNIFICANCE	Teen pregnancy and childbearing are associated with a wide range of adverse health and social outcomes, and bring substantial economic costs through immediate and long-term impacts on teen parents and their children. This measure aims to provide an overall burden of teen births.

PERFORMANCE MEASURE:	Percentage of women aged 18-44 years who visited a dentist or a dental clinic for any reason within the past year
STATUS:	Active
GOAL	To increase the proportion of routine access to dental care services among women of childbearing age.
DEFINITION	<p>Percentage of women aged 18-44 years who visited a dentist or a dental clinic for any reason within the past year.</p> <p>Numerator: Estimated number of women 18-44 years old who visited a dentist or a dental clinic for any reason, including visits to dental specialists, such as orthodontists within the past year.</p> <p>Denominator: Estimated number of women population aged 18-44 years in the calendar year.</p> <p>Units: 100 Text: Percent</p>
HEALTHY PEOPLE 2010 OBJECTIVE	Related to Objective 21-10: Increase the proportion of children and adults who use the oral health care system each year to 56 percent (Baseline: 44 percent of persons aged 2 years and older in 1996 visited a dentist during the previous year).
DATA SOURCES AND DATA ISSUES	The percentage of women aged 18-44 years who visited a dentist or a dental clinic for any reason within the past year is obtained from the Missouri Behavioral Risk Factor Surveillance System (BRFSS). The denominator is obtained from the Missouri Information for Community Assessment (MICA) – Population (http://www.dhss.mo.gov/PopulationMICA/). MICA is maintained by the Bureau of Health Informatics, MO DHSS. The numerator is estimated by applying the percentage from the Missouri BRFSS to the estimated number of women population aged 18-44 years.
SIGNIFICANCE	Oral health problems are common in pregnant women. Routine access to dental care among women of childbearing age is important not only for overall health of women, but also for improving preconception health, which in turn contributes to improving oral health and general health of mothers and their children.

PERFORMANCE MEASURE:	Percentage of women with a recent live birth who reported taking a multivitamin or a prenatal vitamin four or more times per week in the month prior to pregnancy
STATUS:	Active
GOAL	To increase the proportion of preconceptional use of folic acid among women of childbearing age.
DEFINITION	<p>Percentage of women with a recent live birth who reported taking a multivitamin or a prenatal vitamin four or more times per week in the month prior to pregnancy.</p> <p>Numerator: Estimated number of women with a recent live birth who reported taking a multivitamin or a prenatal vitamin four or more times per week in the month prior to pregnancy.</p> <p>Denominator: Number of resident live births in the calendar year.</p> <p>Units: 100 Text: Percent</p>
HEALTHY PEOPLE 2010 OBJECTIVE	Related to Objective 16-16a: Increase the proportion of nonpregnant women aged 15 to 44 years who consume at least 400 µg of folic acid each day from fortified foods or dietary supplements to 80 percent from baseline of 21 percent in 1991-1994.
DATA SOURCES AND DATA ISSUES	The percentage of multivitamin or prenatal vitamin use =4 times per week in the month prior to pregnancy is obtained from the Pregnancy Risk Assessment Monitoring System (PRAMS) – PONDER (PRAMS On-Line Data for Epidemiologic Research). Number of resident live births is obtained from the Missouri Information for Community Assessment (MICA) – Birth (http://www.dhss.mo.gov/BirthMICA/index.html). MICA is maintained by the Bureau of Health Informatics. The numerator is estimated by applying the percentage from the PRAMS - PONDER to the number of resident live births.
SIGNIFICANCE	Birth defects are the leading cause of infant mortality. Neural tube defects (NTDs) are among the most common birth defects that contribute to perinatal and infant deaths and serious disability in children. Researches have indicated consumption of folic acid before conception and during the first trimester can reduce the occurrence of NTDs by 50%-70%.

PERFORMANCE MEASURE:	Percentage of women with a recent live birth who reported frequent postpartum depressive symptoms
STATUS:	Active
GOAL	To decrease the proportion of postpartum depression among new mothers.
DEFINITION	<p>Percentage of women with a recent live birth who reported frequent postpartum depressive symptoms; "frequent postpartum depressive symptoms" defined as a response of "Always" or "Often" to either or both of two Pregnancy Risk Assessment Monitoring System (PRAMS) survey questions "Since your new baby was born, how often have you felt down, depressed, or hopeless?" and "Since your new baby was born, how often have you had little interest or little pleasure in doing things?"</p> <p>Numerator: Estimated number of women with a recent live birth who reported frequent postpartum depressive symptoms.</p> <p>Denominator: Number of resident live births in the calendar year.</p> <p>Units: 100 Text: Percent</p>
HEALTHY PEOPLE 2010 OBJECTIVE	Objective 16-5C (Developmental): Reduce maternal illness and complications due to pregnancy including postpartum depression.
DATA SOURCES AND DATA ISSUES	The percentage of frequent postpartum depressive symptoms is obtained from the Pregnancy Risk Assessment Monitoring System (PRAMS) – PONDER (PRAMS On-Line Data for Epidemiologic Research). Number of resident live births is obtained from the Missouri Information for Community Assessment (MICA) – Birth (http://www.dhss.mo.gov/BirthMICA/index.html). MICA is maintained by the Bureau of Health Informatics. The numerator is estimated by applying the percentage from the PRAMS - PONDER to the number of resident live births.
SIGNIFICANCE	Postpartum depression (PPD) among new mothers is an important maternal and child health concern. According to Missouri RPAMS 2007 data, 16.3% of Missouri new mothers reported frequent postpartum depressive symptoms. PPD could occur within a year after delivery and has the potential to adversely impact the health and emotional wellbeing of both the mother and the child.

PERFORMANCE MEASURE:

Percent of infants with permanent hearing loss and enrolled in appropriate early intervention services that are enrolled in those services by 6 months of age.

STATUS:

Active

GOAL

To reduce the number of deaf or hard-of-hearing infants who do not receive appropriate early intervention services before 6 months of age.

DEFINITION

Percent of infants with permanent hearing loss and enrolled in appropriate intervention services that are enrolled in those services by 6 months of age; appropriate early intervention defined as Part C or other state approved intervention services.

Numerator:

Number of infants with a hearing loss who are enrolled in an intervention program before 6 months of age during one calendar year.

Denominator:

Number of infants born in the calendar year with a hearing loss who are enrolled in an intervention program.

Units: 100 **Text:** Percent

HEALTHY PEOPLE 2010 OBJECTIVE

Objective 28-11: (Developmental) Increase the proportion of newborns who are screened for hearing loss by age 1 month, have audiologic evaluation by age 3 months, and are enrolled in appropriate intervention services by age 6 months.

DATA SOURCES AND DATA ISSUES

Centers for Disease Control and Prevention (CDC), Early Hearing Detection & Intervention (EHDI) Program Annual Screening and Follow-up Survey; sources include Missouri Health Strategic Architectures and Information Cooperative (MOHSAIC) and Missouri Department of Early and Secondary Education Part C program – First Steps -- and applies to those infants for whom Missouri Department of Health and Senior Services has received audiologic diagnostic reports.

SIGNIFICANCE

Infants and children with mild-to-profound hearing loss who are identified in the first 6 months of life and provided with immediate and appropriate intervention have significantly better outcomes than later-identified infants and children in vocabulary development, receptive and expressive language, syntax, speech production and social-emotional development.

PERFORMANCE MEASURE:	Percent of children ages 0-19 years old who received health care at a FQHC/CHC.
STATUS:	Active
GOAL	To increase the percent of children ages 0-19 years old who received health care at a FQHC/CHC.
DEFINITION	<p>The percent of children ages 0-19 who received care at Federally Qualified Health Care Centers (FQHC)/Community Health Centers (CHC).</p> <p>Numerator: Number of children ages 0-19 years old who received health care at a FQHC.</p> <p>Denominator: Number of children ages 0-19 years old.</p> <p>Units: 100 Text: Percent</p>
HEALTHY PEOPLE 2010 OBJECTIVE	N/A
DATA SOURCES AND DATA ISSUES	Uniform Data System data are obtained from Office of Primary care and Rural Health supported health centers.
SIGNIFICANCE	The avoidance of the health and financial costs of long-term disability is the goal of early health care visits and prevention-oriented services that provide early identification of conditions that can impede children's natural growth and development.

